STATUTORY CHECKLIST [§58.35(a) activities]

for Categorical Exclusions and Environmental Assessments

Note: Review of the items on this checklist is required for both Categorical Exclusions under Sec. 58.35(a) and projects requiring an Environmental Assessment under Sec. 58.36. If no compliance with any of the items is required, a Categorical Exclusion [58.35(a)] may become "exempt" under the provisions of Sec. 58.34 (a) (12). In such cases attach the completed Statutory Checklist to a written determination of the exemption. Projects requiring an Environmental Assessment under Sec. 58.36 cannot be determined to be exempt even if no compliance with Statutory Checklist items is found. Three items listed at Sec. 58.6 are applicable to all projects, including those determined to be exempt.

Project Name and Identification/Location: Selig Residence / #1011
35 Old Dam Road Fairfield, Connecicut

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
Document Laws and authorities listed at 24 CFR Sec. 58.5							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	☐	☒	☐	☐	☐	☐	Consulted with State Historic Preservation Office (SHPO); Building built in 1928. SHPO determined the proposed work will have no adverse effect on the State's cultural rsources. See attached SHPO letter dated 4/23/14.. SHPO recomends the federalagency provide concerned citizens the opportunity to comment on the proposed project.
2. Floodplain Management [58.5(b)] [EO 11988] [24 CFR 55]	☐	☒	☒	☐	☐	☐	Located in Flood Zone AE based on FEMA – Map Number 09001C0557G Revised July 8, 2013. See attached FIRMLET.
3. Wetland Protection [58.5 (b)]	☒	☐	☐	☐	☐	☐	Anticipated impacts on wetlands minimal due to majority of activities limited to pre-storm building footprint. Consulted City of Fairfield Inland Wetlands. No mapped wetlands. See attached National Wetlands Mapper.
4. Coastal Zone Management [58.5(c)] [CGS 22a-100(b)]	☐	☒	☒	☐	☐	☐	Site is located within the Coastal Boundary as mapped by DEEP.
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149] Clean Water Act 1977 Safe Drinking Water Act 1974	☒	☐	☐	☐	☐	☐	Water Quality – N/A Project does not involving on-site water and sewer facilities nor is it in a sole source acquifer zone.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.] [CGS 26-310]	☒	☐	☐	☐	☐	☐	NOT LOCATED AT WATERFRONT PROPERTIES WITH SANDY BEACHES - consult with Department of Interior Fish and Wildlife Database – See attached Department of Interior Fish and Wildlife report.dated October 3, 2014.
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	☒	☐	☐	☐	☐	☐	Eightmile River is only designated wild & scenic river within program area running through Lyme, Salem and East Haddam, CT (rivers.gov; November 2012)
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	☒	☐	☐	☐	☐	☐	Clean Air Act, State Implementation Plan, HUD & EPA Regulations; in general, residential rehabilitation exempted w/no quantifiable increase in air pollution.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
9. Farmland Protection [58.5(h)]	☒	☐	☐	☐	☐	☐	Agricultural land use conversion not anticipated. Adverse effects to agricultural resources are not anticipated; clearly defined urban areas . Location not considered protected farmland
Manmade Hazards: 10 A. Thermal Explosive [58.5(i)]	☒	☐	☐	☐	☐	☐	N/A for projects that do not add density
10 B. Noise [58.5(i)]	☒	☐	☐	☐	☐	☐	Not applicable to project – restoration of structure substanitially as it existed prior to Super Storm Sandy.
10 C. Airport Clear Zones [58.5 (i)]	☒	☐	☐	☐	☐	☐	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
10 D. Toxic Sites [58.5 (i)(2)(i)]	☒	☐	☐	☐	☐	☐	The site has no known toxic history based on the attached Toxix Site Certification. The site: 1) is not listed on EPA Superfund National Priorityies or CERCLA list. 2) is not located within 3,000ft of a toxic or solid waste landfill. 3) is not known to have an undergroud storage tank (which is not an undergroud storage fuel tank). 4) Is not known or suspected to be contaminated by radioactive chemicals or radioactive materials.
11. Environmental Justice [58.5(j)]	☒	☐	☐	☐	☐	☐	Executive Order 12898 Program activities do not anticipate high & adverse human health and environmental effects on minority or low-income populations;
Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns							
12 A. Flood Insurance [58.6(a) & (b)]	☐	☒	☒	☐	☐	☐	Located in Zone AE – Map Number 09001C0557G Revised July 8, 2013. See attached FIRMLET Flood insurance required.
12 B. Coastal Barriers [58.6(c)]	☒	☐	☐	☐	☐	☐	Property is not located in a Coastal Barrier Resource Zone. See attach map.
12 C. Airport Clear Zone Notification [58.6(d)]	☒	☐	☐	☐	☐	☐	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
							Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
13. A Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	☒	☐	☐	☐	☐	☐	Resource Conservation and Recovery Act and Solid Waste Disposal Act; Residential Exemption
13 B. Fish and Wildlife [U.S.C. 661-666c]	☒	☐	☐	☐	☐	☐	Fish and Wildlife Coordination Act: Program activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water; not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	☐	☒	☒	☐	☐	☐	Lead paint found - See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated April 2014, revised May 2014. Give tenant Notice about Lead. Compliance will include removal of lead-based paint hazards, notifications, and clearance examinations.
13 D. Asbestos	☐	☒	☒	☒	☐	☐	Asbestos found – See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated April 2014, revised May 2014. Compliance will include measures to minimize risk of exposure and when necessary abate any hazardous materials.
13 E. Radon [50.3 (i) 1]	☒	☐	☐	☐	☐	☐	Radon concentration less than 4 picocuries per liter of air. See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated April 2014, revised May 2014. No action required.
13 F. Mold	☒	☐	☐	☐	☐	☐	No Mold Found - See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated April, revised May 2014.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	☐	☐	☒	☐	☐	☐	Property inside Flood Zone AE on FEMA map 09001C0557G Revised July 8, 2013. Certification through the General Permit for CDBG-DR activities with DEEP required. See appendix B Certification form and required documents.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	☒	☐	☐	☐	☐	☐	Not applicable – this project is not waterward of the Coastal Jurisdiction Line.
14 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]	☐	☒	☒	☐	☐	☐	Located in Title wetlands – see attached Zoning Location Survey.
14 D. Local inland wetlands/watercourses [CGS 22a-42]	☒	☐	☐	☐	☐	☐	Not located in wetlands - see attached Zoning Location Survey.
14 E. Various Municipal Zoning Approvals	☐	☒	☐	☐	☐	☐	Approvals required by Planning/Zoning Commission or ZBA. If any work outside original building footprint.

DETERMINATION:

☐ This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compiance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; OR

☒ This project cannot convert to Exempt because one or more statutes/authories requires consultation or itigation. Complete consultation/mitigation requirements, publish NOI/RROF and obtain Authority to Use Grant Funds (HUD 7015.16) per §58.70 and 58.71 before drawing down funds; OR

☐ The unusual circumstances of this project may reasult in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

Prepared by:

Name: Stephen Ball — Date: 10/3/14

Responsible Entity or designee Signature:

Hermia Delaire, CDBG-DR Program Manager — Date

Print

YAHOO! MAPS

35 Old Dam Rd, Fairfield, CT 06824-6386

Enter notes here

255

When using any driving directions or map, it is a good idea to double check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning

Powered by Vision Government Solutions, Inc.

MBLU :	234/ 190/ / / /
Location:	35 OLD DAM ROAD
Owner Name:	SELIG GABRIEL M & GAD J
Account Number:	01326

Parcel Value

Appraised Value	Assessed Value
821,200	574,840

Owner of Record

SELIG GABRIEL M & GAD J
P O BOX 74
SOUTHPORT, CT 06890-0079

Ownership History

Owner Name	Book/Page	Sale Date	Sale Price
SELIG GABRIEL M & GAD J	1799/13/4	3/6/1998	0
SELIG HOLDING PARTNERSHIP	1642/87-0	10/21/1996	0
REIDY PETER D	1600/27-1	6/7/1996	255,000
BIKE JOHN & MAUREEN	678/1181	1/27/1981	0

Land Use

Land Use Code	Land Use Description
1010	Single Fam MDL-01

Land Information

Size	Zone
0.11 AC	BD

Construction Detail

Building # 1

STYLE Conventional	**MODEL** Residential	**Stories:** 2 Stories
Occupancy 1	**Exterior Wall 1** Wood Shingle	**Exterior Wall 2** Wood on Sheath
Roof Structure: Gable/Hip	**Roof Cover** Asphalt	**Interior Wall 1** Plastered
Interior Flr 1 Hardwood	**Interior Flr 2** Carpet	**Heat Fuel** Oil
Heat Type: Hot Water	**AC Type:** None	**Total Bedrooms:** 04
Total Bthrms: 3	**Total Half Baths:** 0	**Total Rooms:** 7

Building Information

Living Area: 1,880 square feet	**Year Built:** 1928	**Building Value:** 90,000

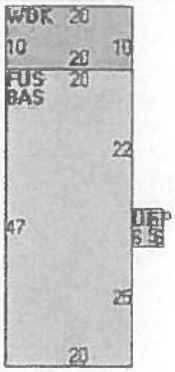
Extra Features

Code	Description	Units
No Extra Building Features		

Outbuildings

Code	Description	Units
FGR1	GARAGE-AVE	324 S.F.
SHD1	SHED FRAME	180 S.F.

Building Sketch



Subarea Summary

Code	Description	Gross Area	Living Area
BAS	First Floor	940	940
FUS	Upper Story, Finished	940	940
UEP	Porch, Enclosed, Unfinished	30	0
WDK	Deck, Wood	200	0

35 OLD DAM ROAD

Location	35 OLD DAM ROAD	**Assessment**	$574,840
Mblu	234/ 190/ / /	**Appraisal**	$821,200
Acct#	01326	**PID**	19143
Owner	SELIG GABRIEL M & GAD J	**Building Count**	1

Current Value

Appraisal	
Valuation Year	**Total**
2013	$821,200
Assessment	
Valuation Year	**Total**
2013	$574,840

Owner of Record

Owner	SELIG GABRIEL M & GAD J	**Sale Price**	$0
Co-Owner		**Book & Page**	1799/13/4
Address	P O BOX 74 SOUTHPORT, CT 06890-0074	**Sale Date**	03/06/1998

Ownership History

Ownership History			
Owner	**Sale Price**	**Book & Page**	**Sale Date**
SELIG HOLDING PARTNERSHIP	$0	1642/87-0	10/21/1996
REIDY PETER D	$255,000	1600/27-1	06/07/1996
BIKE JOHN & MAUREEN	$0	678/1181	01/27/1981

Building Information

Building 1 : Section 1

Year Built: 1928
Living Area: 1880

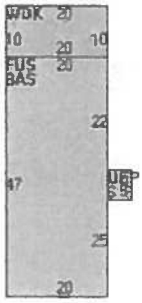
Building Photo

Building Attributes	
Field	**Description**
Style	Conventional
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Wood Shingle
Exterior Wall 2	Wood on Sheath
Roof Structure:	Gable/Hip

Roof Cover	Asphalt
Interior Wall 1	Plastered
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	Carpet
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	4 Bedrooms
Total Bthrms:	3
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	7 Rooms
Bath Style:	Average
Kitchen Style:	Average

(http://images.vgsi.com/photos/FairfieldCTPhotos//\02\02\60/71.jpg)

Building Layout



Building Sub-Areas			
Code	Description	Gross Area	Living Area
BAS	First Floor	940	940
FUS	Upper Story, Finished	940	940
UEP	Porch, Enclosed, Unfinished	30	0
WDK	Deck, Wood	200	0
		2110	1880

Extra Features

Extra Features
No Data for Extra Features

Land

Land Use

Use Code	1010
Description	Single Fam MDL-01
Zone	BD
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.11
Depth	0

Outbuildings

Outbuildings				Legend
Code	Description	Sub Code	Sub Description	Size
FGR1	GARAGE-AVE			324 S.F.
SHD1	SHED FRAME			180 S.F.

Valuation History

Appraisal	
Valuation Year	Total
2012	$821,200
2011	$821,200
2010	$821,200

Assessment	
Valuation Year	Total
2012	$574,840
2011	$574,840
2010	$574,840

William Somerville

From: Steve Zajac <szajac@hecole.com>
Sent: Tuesday, March 11, 2014 1:56 PM
To: William Somerville
Subject: RE: FFE Elevations For 8 Bay Edge Crt, 127 Mona Ter, 35 Old Dam Rd, & 175 James St. Fairfield

Bill,

Here is the elevation datum for the above referenced four sites we surveyed on Friday 7/7/14. We did not survey the 710 Rowland Road site. I had the understanding that we were not doing that site at this time. The crew probably wouldn't have had time to complete that site on Friday anyway. If it needs to be done, I will go & survey it ASAP. We'll have to get in contact with the home owner as we did before. Let me know.

Steve

35 Old Dam Road: FFE=7.65
2Nd FFE=15.75
GFE (detached)= 4.90
Slab for Utilities=4.50
(Concrete slab is approx. 6' x 12' underneath the center of the house)
HAG=6.1
LAG=5.7
Deck LAG=6.3
Zone: AE Elev. 12 → AE 13 - SEE ATTACHED FROM STEVE ZAJAC

127 Mona Terrace: FFE=12.11
2Nd FFE=19.5
GFE (detached)= 7.40
BFE (Utilities)=4.55
HAG=8.1
LAG=7.0
Deck LAG=7.5
Zone: AE Elev. 11

8 Bay Edge Court: FFE=11.64
2Nd FFE=19.5
GFE (detached)= 9.30
BFE (Utilities)=4.40
HAG=9.2
LAG=8.6
Deck LAG=8.6
Zone: AE Elev. 11

175 James Street: FFE=9.35
2Nd FFE=17.4
BFE (Utilities)=5.75
HAG=7.0
LAG=5.8
Deck LAG=5.8
Zone: AE Elev. 11

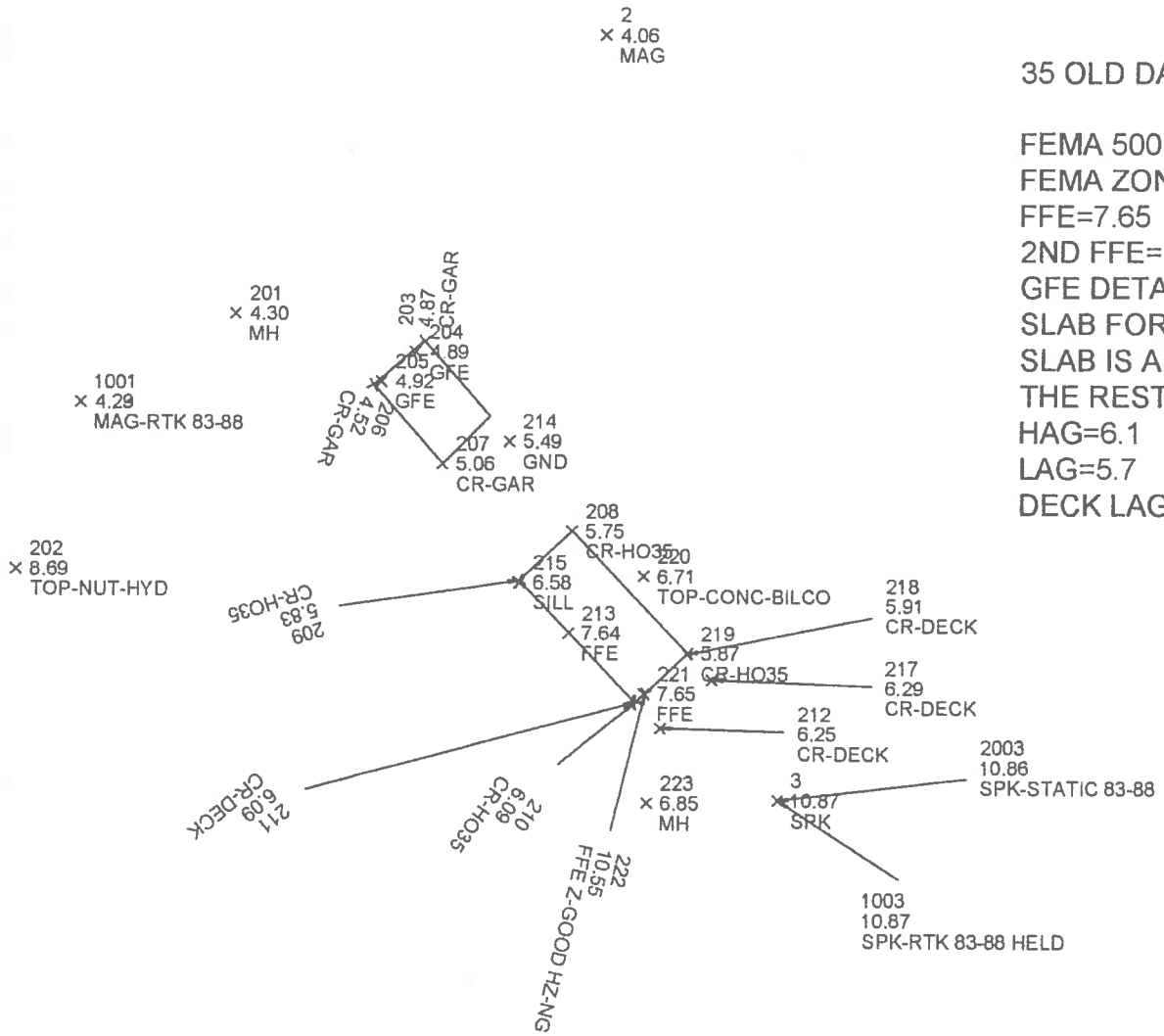
William Somerville

From: Steve Zajac <szajac@hecole.com>
Sent: Tuesday, March 11, 2014 2:27 PM
To: William Somerville
Subject: RE: Correction for the Zone of 35 Old Dam Road

Bill,

The correct flood zone for 35 Old Dam Road is AE 13, not AE 12 as I stated in my last e-mail.

Steve



35 OLD DAM RD. FAIRFIELD

FEMA 500 YEAR BFE: 16.25
FEMA ZONE AE: BFE=13.0
FFE=7.65
2ND FFE=15.75
GFE DETACHED=4.90
SLAB FOR UTILITIES=4.50
SLAB IS APPROX. 6' X 10' UNDER HOUSE
THE REST OF THE UNDERNEATH IS SAND.
HAG=6.1
LAG=5.7
DECK LAG=6.3

P:\Land Projects\1137- Quisenberry Arcari- 35 Old Dam Rd. Fairfield, CT 06825\dwg\1137-b-existing.dwg, 5/29/2014 10:47:51 AM, Steve Z, 1:48.551

1011 CF

Department of Economic and Community Development

Connecticut
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April 23, 2014

received
4-30-14

Hermia M. Delaire, Program Manager
CDBG-Sandy Disaster Recovery Program
Department of Housing
505 Hudson Street
Hartford, CT 06106

RE: Applicant #1011, 35 Old Dam Road, Fairfield, CT

Dear Ms. Delaire:

The State Historic Preservation Office (SHPO) has reviewed the above-named project. In the opinion of the SHPO, the proposed undertaking will have no effect upon the state's cultural resources.

This office appreciates the opportunity to have reviewed and commented upon the project.

We recommend that the responsible federal agency provide concerned citizens with the opportunity to review and comment upon the proposed undertaking in accordance with the National Historic Preservation Act of 1966.

For further information, please contact Julie Carmelich at (860) 256-2762.

Sincerely:

Daniel T. Forrest
State Historic Preservation Officer

STEPHEN BALL
294 White Deer Rocks Road
Woodbury, Connecticut 06798

April 7, 2014

Todd Levine
State Historic Preservation Officer
One Constitution Plaza, 2nd floor
Hartford, CT 06103

Re: Environmental Review –35 Old Dam Road, Fairfield, CT

Dear Mr. Levine:

An Environmental Review for renovations due to Super Storm Sandy at 35 Old Dam Road, Fairfield, CT is required for the use of CDBG-DR funding through the Connecticut Department of Housing. The review requires that State Historic Preservation Office determination regarding historic significance.

I have attached the State Historic Preservation Office review form, scope of proposed work, photographs, map, and assessor's cards.

We do not feel the property has any historic significance and are requesting a finding of "No Effect".

Should you have any questions or require any additional information, feel free to call me at (203) 509-7231.

Thanks,

Stephen Ball

Enc.

Department of Economic and Community Development

Connecticut
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State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

1. This information relates to a previously submitted project. ☐ You do not need to complete the rest of the form if you have been previously issued a SHPO Project Number. Please attach information to this form and submit.

SHPO Project Number _____
(Not all previously submitted projects will have project numbers)

Project Address 35 Old Dam Road Fairfield, CT
(Street Address and City or Town)

2. This is a new Project. ☒ If you have checked this box, it is necessary to complete ALL entries on this form .

Project Name Selig House Renovation

Project Location 35 Old Dam Road
Include street number, street name, and or Route Number. If no street address exists give closest intersection.

City or Town Fairfield
In addition to the village or hamlet name (if appropriate), the municipality must be included here.

County Fairfield
If the undertaking includes multiple addresses, please attach a list to this form.

Date of Construction (for existing structures)_____

PROJECT DESCRIPTION SUMMARY (include full description in attachment):
See attached Projected Scope and Magnitude of Cost prepared by Quisenberry Arcari LLC dated February 19, 2014

TYPE OF REVIEW REQUESTED

a. Does this undertaking involve funding or permit approval from a State or Federal Agency?

☒ Yes ☐ No

Agency Name/Contact	Type of Permit/Approval	State	Federal
CT Dept. of Housing	CDBG-DR	☒	☒
		☐	☐
		☐	☐

	Yes	No
b. Have you consulted the SHPO and UCONN Dodd Center files to determine the presence or absence of previously identified cultural resources within or adjacent to the project area?	☐	☒
If yes: Was the project site wholly or partially located within an identified archeologically sensitive area?	☐	☐
Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the CT State or National Registers of Historic Places?	☐	☐
Does the project involve the rehabilitation, renovation, relocation, demolition or addition to any building or structure that is 50 years old or older?	☐	☐

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PROJECT REVIEW COVER FORM

The Historic Preservation Review Process in Connecticut Cultural Resource Review under the National Historic Preservation Act – Section 106 http://www.achp.gov/106summary.html involves providing technical guidance and professional advice on the potential impact of publicly funded, assisted, licensed or permitted projects on the state's historic, architectural and archaeological resources. This responsibility of the State Historic Preservation Office (SHPO) is discharged in two steps: (1) identification of significant historic, architectural and archaeological resources; and (2) advisory assistance to promote compatibility between new development and preservation of the state's cultural heritage.

Project review is conducted in two stages. First, the SHPO assesses affected properties to determine whether or not they are listed or eligible for listing in the Connecticut State or National Registers of Historic Places. If so, it is deemed "historic" and worthy of protection and the second stage of review is undertaken. The project is reviewed to evaluate its impact on the properties significant materials and character. Where adverse effects are identified, alternatives are explored to avoid, or reduce project impacts; where this is unsuccessful, mitigation measures are developed and formal agreement documents are prepared stipulating these measures. For more information and guidance, please see our website at: http://www.cultureandtourism.org/cct/cwp/view.asp?a=3933&q=293820

ALL PROJECTS SUBMITTED FOR REVIEW MUST INCLUDE THE FOLLOWING MATERIALS*:

[X] **PROJECT DESCRIPTION** Please attach a full description of the work that will be undertaken as a result of this project. Portions of environmental statements or project applications may be included. The project boundary of the project should be clearly defined**

[X] **PROJECT MAP** This should include the precise location of the project – preferably a clear color image showing the nearest streets or roadways as well as all portions of the project. Tax maps, Sanborn maps and USGS quadrangle maps are all acceptable, but Bing and Google Earth are also accepted if the information provided is clear and well labeled. The project boundary should be clearly defined on the map and affected legal parcels should be identified.

[X] **PHOTOGRAPHS** Clear, current images of the property should be submitted. Black and white photocopies will not be accepted. Include images of the areas where the proposed work will take place. May require: exterior elevations, detailed photos of elements to be repaired/replaced (windows, doors, porches, etc.) All photos should be clearly labeled.

For Existing Structures	Yes	N/A	Comments
Property Card	[X]	[ ]	
For New Construction	**Yes**	**N/A**	**Comments**
Project plans or limits of construction (if available)	[ ]	[ ]	
If project is located in a Historic District include renderings or elevation drawings of the proposed structure	[ ]	[ ]	
Soils Maps http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm	[ ]	[ ]	
Historic Maps http://magic.lib.uconn.edu/	[ ]	[ ]	
For non-building-related projects (dams, culverts, bridge repair, etc)	**Yes**	**N/S**	**Comments**
Property Card	[ ]	[ ]	
Soils Map (see above)	[ ]	[ ]	
Historic Maps (see above)	[ ]	[ ]	

STAFF REVIEW AREA	Above	Date	Below	Date
Indicate date of Review and Initials of Reviewer				

PROJECT CONTACT

Name Stephen Ball Title Consultant

Firm/Agency

Address 294 White Deer Rocks Road

City Woodbury State CT Zip 06798

Phone Cell 203-509-7231 Fax

Email stephenjball@hotmail.com

*Note that he SHPO's ability to complete a timely project review depends largely on the quality of the materials submitted.

** Please be sure to include the project name and location on *each page* of your submission.

Department of Economic and Community Development

Connecticut
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State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

SHPO USE ONLY

Based on our review of the information provided to the State Historic Preservation Office, it is our opinion that:

☐ No historic properties will be affected by this project. No further review is requested.

☐ This project will cause no adverse effects to the following historic properties. No further review is requested:

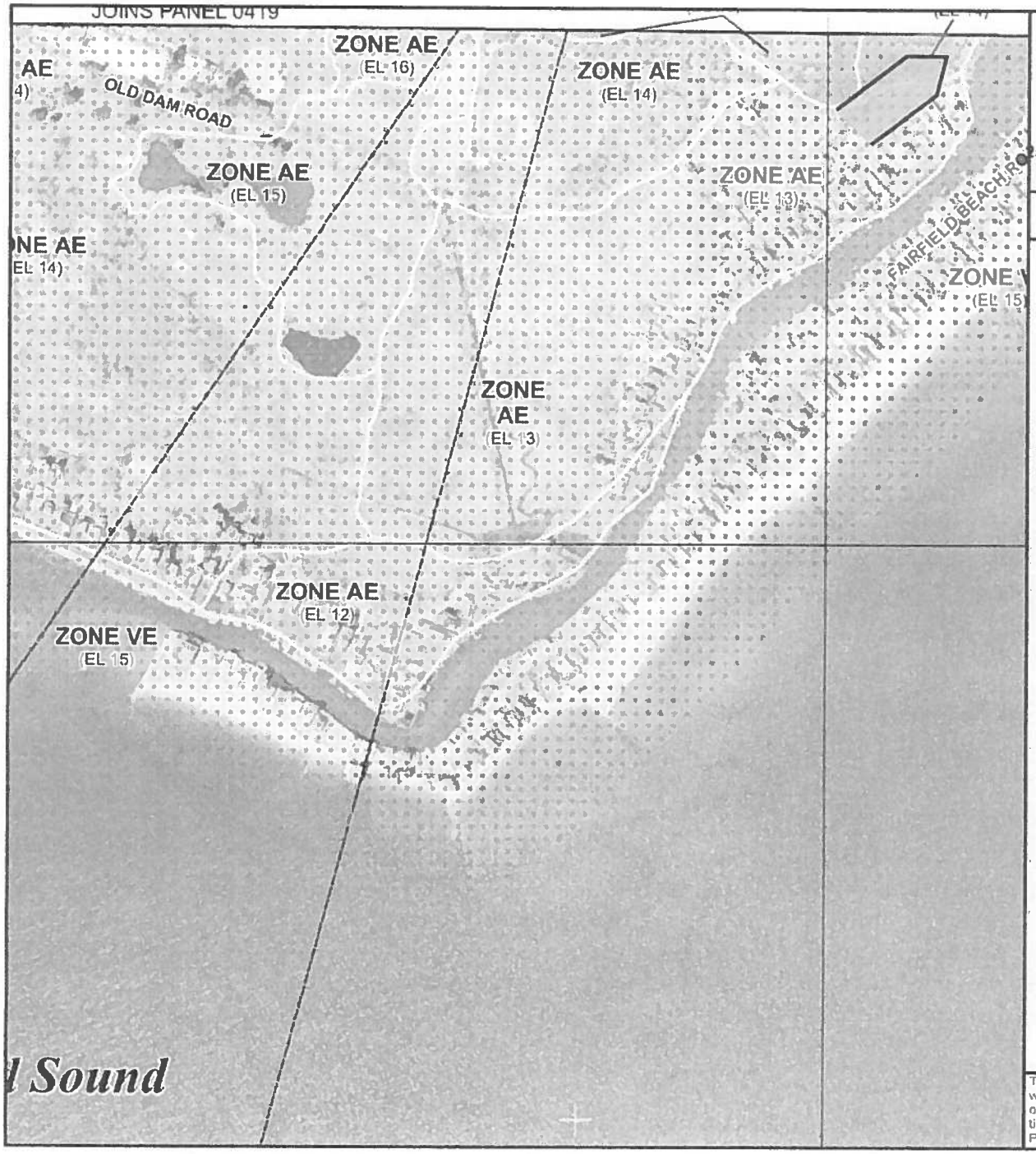
☐ This project will cause no adverse effects to the following historic properties, conditional upon the stipulations included in the attached letter:

☐ Additional information is required to complete our review of this project. Please see the attached letter with our requests and recommendations.

☐ This project will adversely affect historic properties as it is currently designed or proposed. Please see the attached letter for further details and guidance.

Daniel T. Forrest
Deputy State Historic Preservation Officer

Date



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0557G

FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 557 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FAIRFIELD, TOWN OF	[illegible]	[illegible]	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09001C0557G

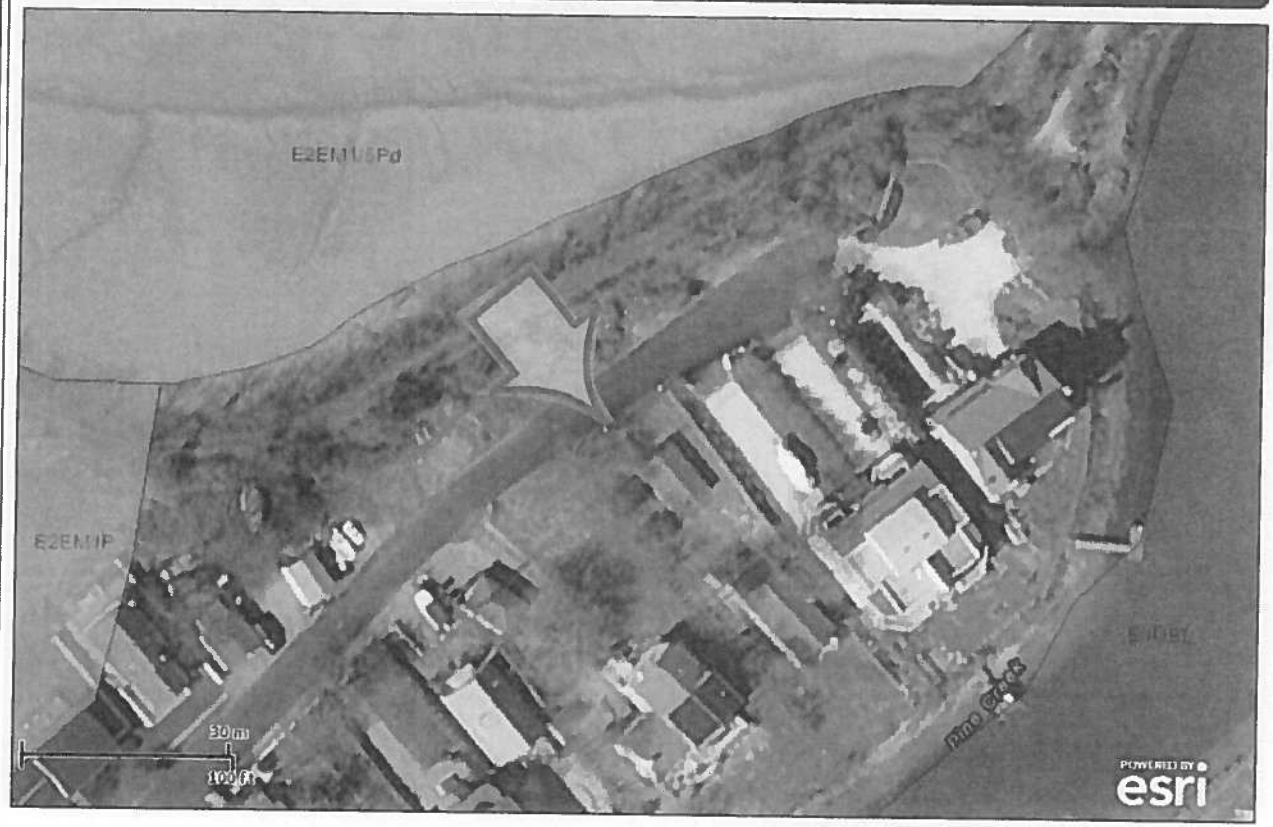
MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

U.S. Fish and Wildlife Service
National Wetlands Inventory

35 Old Dam Road

Oct 2, 2014



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

COASTAL BOUNDARY
FAIRFIELD, CONNECTICUT

LEGEND

Coastal Boundary

EXPLANATION

The coastal boundary map shows the extent of inland and coastal waters as defined by Connecticut General Statutes within Connecticut's coastal area. The coastal boundary is a continuous line delineated on the landward side by the inactive coastal elevation of the one hundred year frequency coastal flood zone, as defined and determined by the National Flood Insurance Act, or a zone measured four hundred feet horizontally landward from the mean high water mark in coastal waters, or a zone measured four hundred feet horizontally landward from the inland boundary of tidal wetlands, whichever is furthest inland; and shall be delineated on the seaward side by the outward extent of the jurisdiction of the state.

Any regulated activity conducted within the coastal boundary by a municipal agency (i.e., plans of development, zoning regulations, municipal coastal programs and coastal site plan review (i.e., site plans submitted to zoning commission, subdivision or resubdivision plans submitted to planning commissions, applications for special permit or exception to the zoning or planning commissions or zoning board of appeals, variance submitted to zoning board of appeals and a referral of a municipal project) must be conducted in a manner consistent with the requirements of the Connecticut Coastal Management Act (CMA). As the Coastal Boundary is a hybrid of the Coastal Area, all state and federal agency activities must be consistent with the requirements of the CMA. The coastal boundary is a hybrid of the original 1:24,000 version maps prepared by DEP and the revised boundary mapping undertaken by twenty-two coastal towns. This layer therefore does not replace the legal maps and may not be used for legal determinations.

The following twenty-two towns have adopted municipal coastal boundaries: Chester, Clinton, Darien, Deep River, East Haven, Essex, Fairfield, Greenwich, Groton, Guilford, Hamden, Ledyard, Madison, Milford, New Haven, New London, North Haven, Norwalk, Old Lyme, Old Saybrook, Stamford and Waterford. The coastal boundary maps for these towns may be at different scales than the original DEP draft maps and may contain minor adjustments to the boundary.

DATA SOURCES

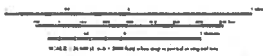
COASTAL BOUNDARY DATA - The original boundary maps were created in 1979 on stable mylar overlay using the 1:24,000-scale US Geological Survey topographic quadrangle maps (mylar film format). The source for tidal wetland maps were the legal 1:24,000 maps (mylar format) adopted by the Commissioner of DEP and transferred to 1:24,000 mylar-scale maps by the Office of Policy and Management (OPM) using an electronic pantograph. OPM thereby converted FEMA's flood insurance maps (various scales) to a 1:24,000 mylar overlay. The inland extent of coastal waters was plotted at 1:24,000 USGS topographic maps following the precedence and sources described in The Boundary between Salt-water and Fresh-water in Connecticut, December 1978 prepared by the State of Connecticut, Department of Environmental Protection, Coastal Area Management Program.

BASE MAP DATA - Based on data originally from 1:24,000-scale USGS 7.5 minute topographic quadrangle maps published between 1969 and 1992. It includes political boundaries, railroads, airports, hydrography, geographic names and geographic places. Streets and street names are from Tele Atlas® copyrighted data. Base map information is neither current nor complete.

RELATED INFORMATION

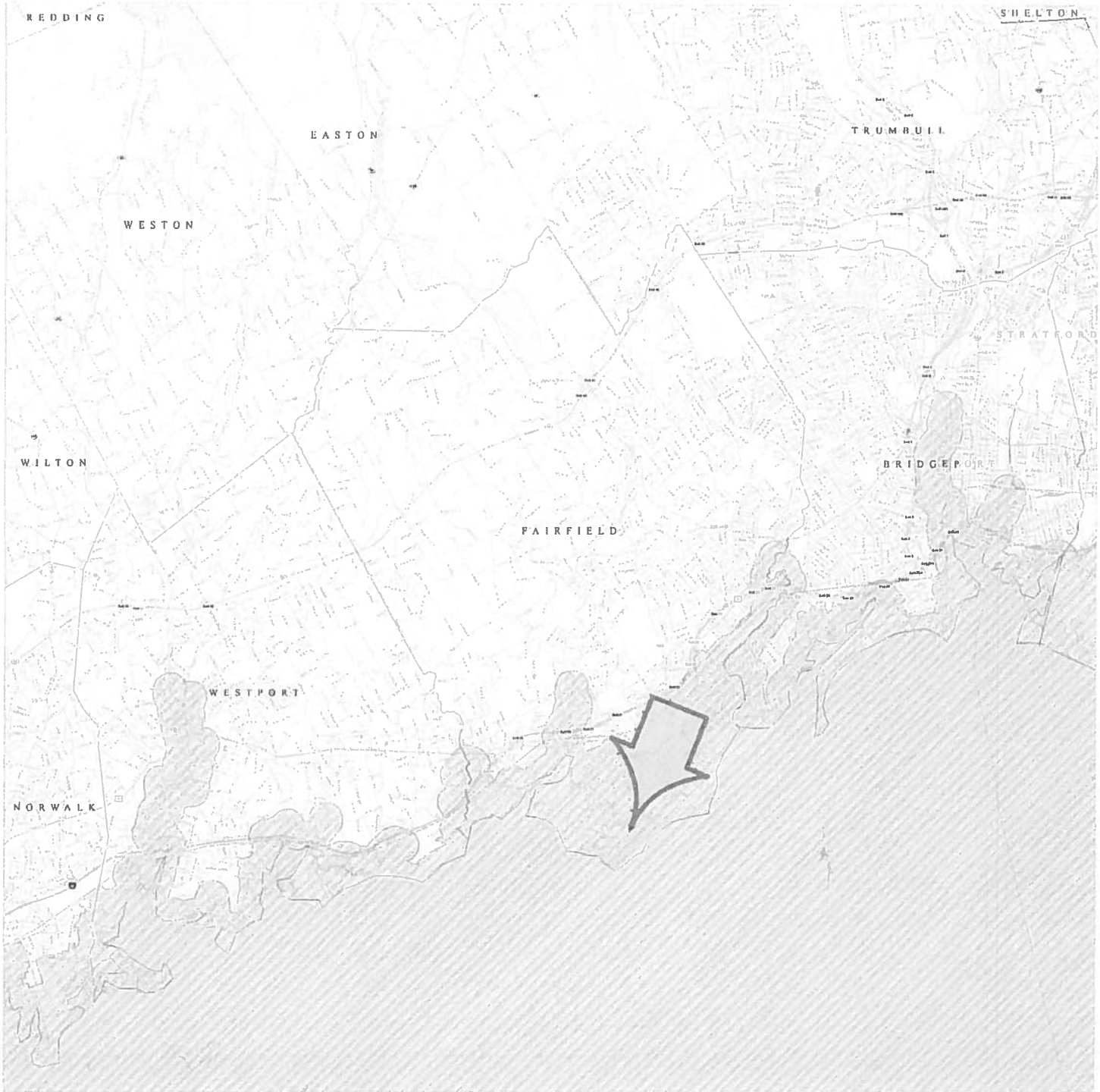
This map is intended to be printed at its original dimensions in order to maintain the 1:24,000 scale (1 inch = 2000 feet).

MAPS AND DIGITAL DATA - Go to the CT ECO website for this map and a variety of others. Go to the DEP website for the digital spatial data shown on this map.



STATE OF CONNECTICUT
DEPARTMENT OF
ENERGY & ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

Map created by DEP
January 2013



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
PHONE: (603)223-2541 FAX: (603)223-0104
URL: www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2015-SLI-0008 October 03, 2014
Project Name: Selig Residence

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment

United States Department of Interior
Fish and Wildlife Service

Project name: Selig Residence

Official Species List

Provided by:

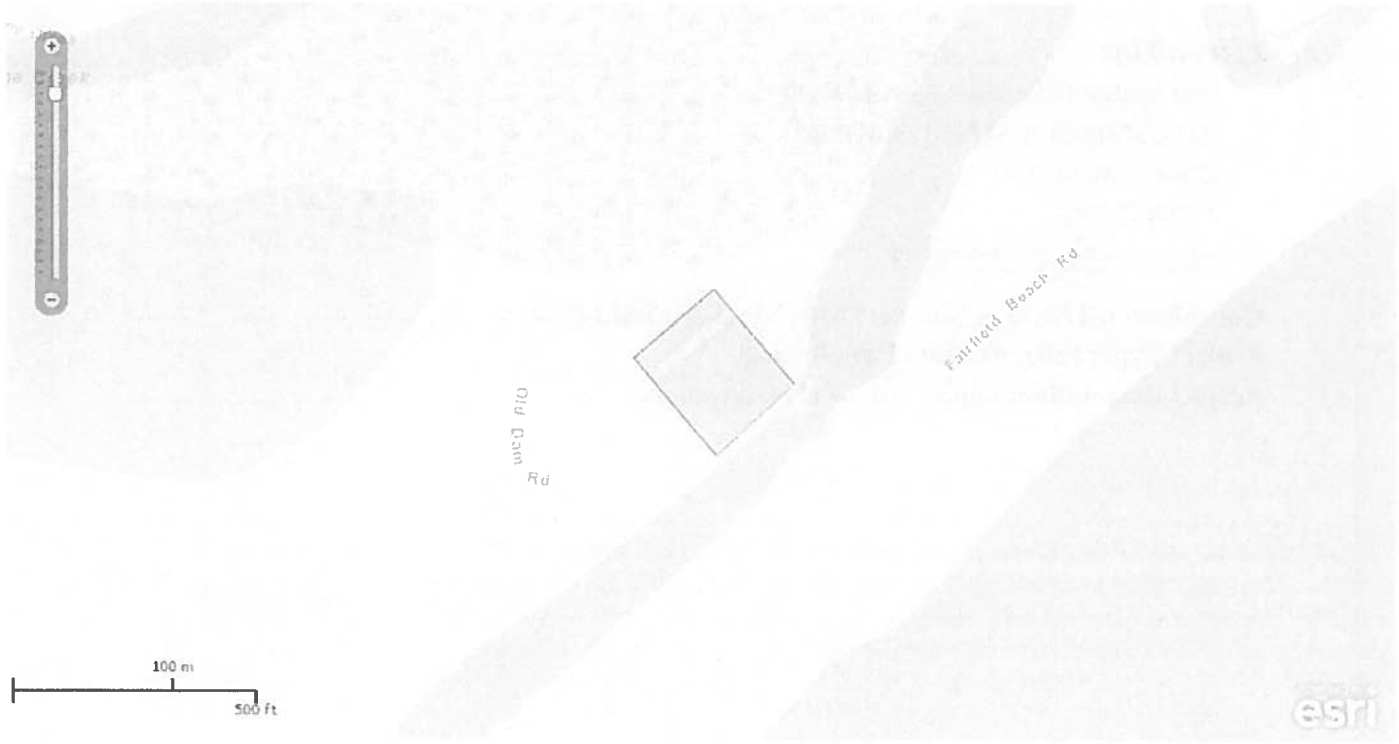
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
(603) 223-2541
http://www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2015-SLI-0008
Project Type: Federal Grant / Loan Related
Project Description: Superstorm Sandy renovations

United States Department of Interior
Fish and Wildlife Service

Project name: Selig Residence

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-73.2571836 41.1245734, -73.2565828 41.1240408, -73.2571622 41.1236367, -73.2577845 41.1241863, -73.2571836 41.1245734)))

Project Counties: Fairfield, CT

United States Department of Interior
Fish and Wildlife Service

Project name: Selig Residence

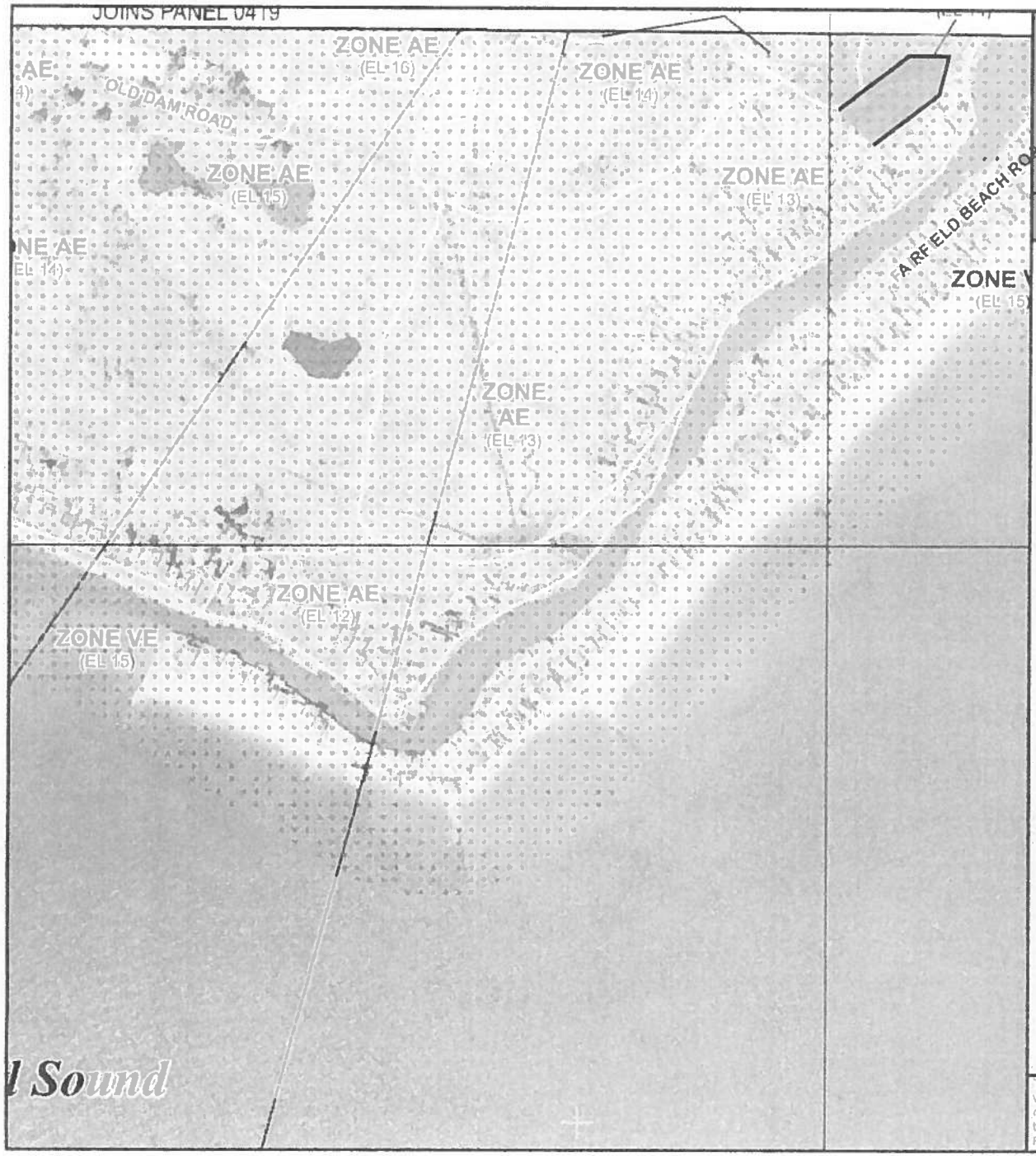
Endangered Species Act Species List

There are a total of 0 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.

Critical habitats that lie within your project area

There are no critical habitats within your project area.



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0557G

FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 557 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FAIRFIELD, TOWN OF	090007	0557	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

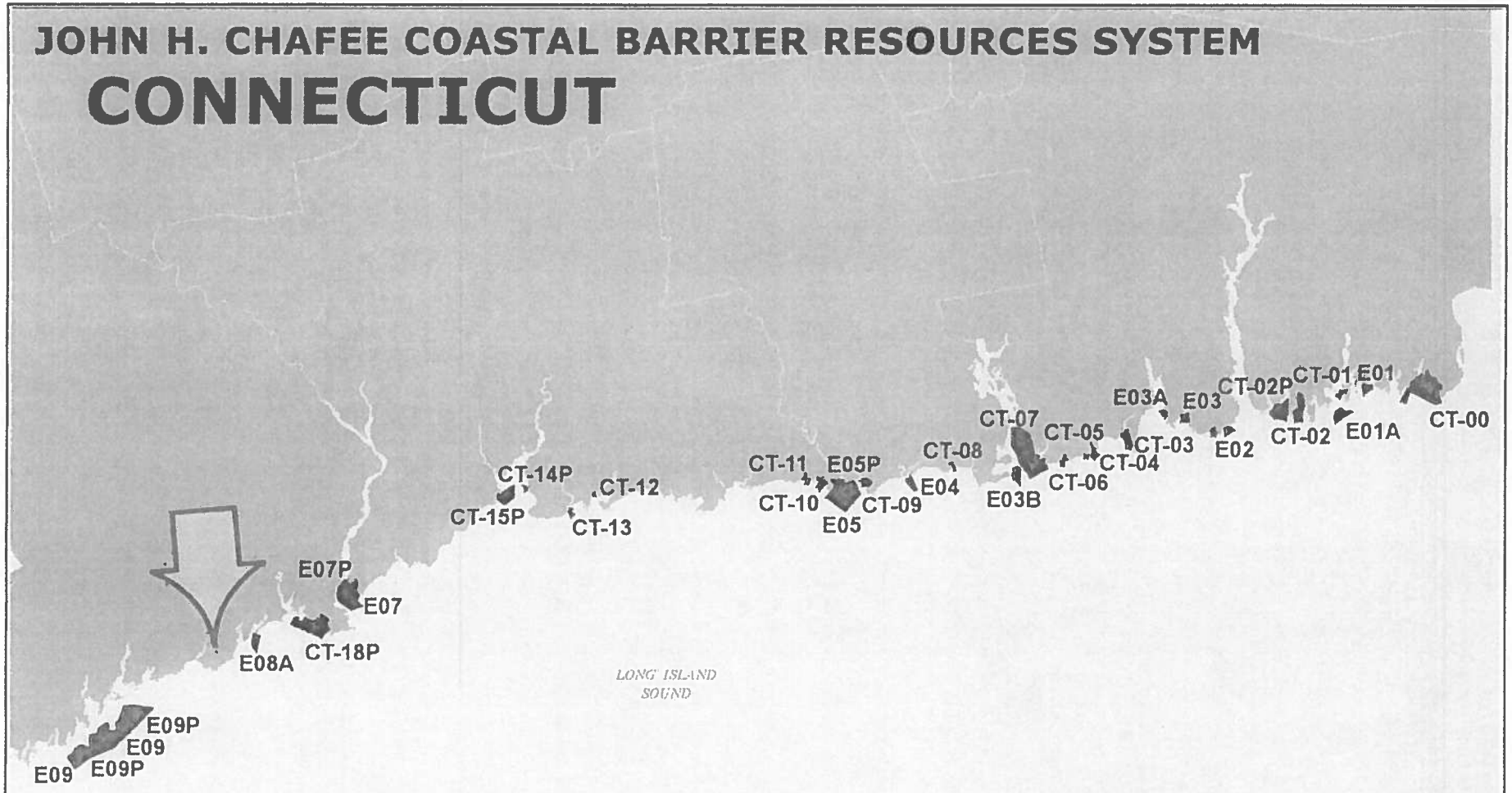
MAP NUMBER
09001C0557G

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

CONNECTICUT



Number of CBRS Units:	32
Number of System Units:	*25*
Number of Otherwise Protected Areas:	*7*
Total Acres:	9,245
Upland Acres:	*1,130*
Associated Aquatic Habitat Acres:	*8,115*
Shoreline Miles:	22

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at http://www.fws.gov/habitatconservation/coastal_barrier.html.

Limited Hazardous Materials Building Inspection Report

Storm Sandy Residential Rehabilitation Project
35 Old Dam Road
Fairfield, Connecticut

Quisenberry Arcari Architects, LLC

Farmington, Connecticut

April 2014
Revised May 2014

FUSS & O'NEILL

Fuss & O'Neill EnviroScience, LLC
50 Quarry Road
Trumbull, CT 06611

Project No. 20140277.A01

FUSS & O'NEILL
EnviroScience, LLC

April 26, 2014
Revised May 29, 2014

Mr. Thomas Arcari
Principal
Quisenberry Arcari Architects LLC
318 Main Street
Farmington, CT 06032

RE: Limited Hazardous Materials Building Inspection
Storm Sandy Residential Rehabilitation Project
35 Old Dam Road, Fairfield, Connecticut
Fuss & O'Neill EnviroScience Project No. 20140277.A3E
Quisenberry Arcari Project No. 1346-06

Dear Mr. Arcari:

Enclosed is the report for the limited hazardous materials building inspection performed at 35 Old Dam Road in Fairfield, Connecticut.

The initial inspection was performed on April 8, 2014, by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included an asbestos inspection, testing for lead-based paint, airborne radon assessment, mold assessment, and assessments for PCB-containing ballasts and mercury hazards. On May 7, 2014, EnviroScience performed a lead-based paint risk assessment.

The information summarized in this document is for the above-mentioned materials only. It does not include information on other hazardous materials that may exist in the property (such as underground storage tanks, PCB-containing building materials, etc.).

If you have any questions regarding the contents of this report, please do not hesitate to contact us at (203) 374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kevin McCarthy
Project Manager

Robert L. May, Jr.
President
NEHA NRPP # 105366 RT

Enclosure

56 Quarry Road
Trumbull, CT
06611
T 203.374.3748
800.286.2469
F 203.374.4391

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

FUSS & O'NEILL
EnviroScience, llc

Table of Contents

Limited Hazardous Materials Building Inspection Report
Quisenberry Arcari Architects LLC
35 Old Dam Road, Fairfield, Connecticut

Table of Contents

Limited Hazardous Materials Building Inspection Report
Quisenberry Arcari Architects LLC
35 Old Dam Road, Fairfield, Connecticut

Appendices

1 Introduction

On April 8, 2014, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technician, Mr. Robert Hobbins, performed a limited hazardous materials inspection of the residential structure at 35 Old Dam Road in Fairfield, Connecticut (the "Site"). Mr. Hobbins is a State of Connecticut-licensed Asbestos Consultant - Inspector and Certified Lead Paint Inspector. On May 7, 2014, EnviroScience Environmental Technician Mr. Ulkens Auguste performed a lead paint risk assessment within the residence. Mr. Auguste is a State of Connecticut-Certified Lead Paint Inspector/Risk Assessor. The residential structure was not occupied at the time and date of the inspection. Refer to *Appendix A* for EnviroScience certifications and licenses.

This inspection was performed in response to the planned renovations to damaged or impacted areas of the building caused by Superstorm Sandy as identified in the *Draft Residence Rehabilitation Letter* dated February 19, 2014, provided by Quisenberry Arcari Architects. The limited inspection consisted of the following:

- A inspection for asbestos-containing materials (ACM);
- Testing and risk assessment of painted surfaces for lead-based paint (LBP);
- An evaluation of fluorescent light fixtures for polychlorinated biphenyls (PCB)-containing light ballasts;
- An inventory of light tubes/lamps and devices for mercury;
- Airborne radon gas assessment; and
- A mold assessment.

2 Asbestos Inspection

A Property Owner must ensure that performance of a thorough inspection for ACM, prior to possible disturbance of suspect ACM during renovation or demolition, is conducted. This is a requirement of the Unite States (US) Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR Part 61, Subpart M.

This includes Friable, Non-Friable Category I, and Non-Friable Category II ACM.

- A Friable Material is defined as material that contains greater than one percent (>1%) asbestos, that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains greater than one percent (>1%) asbestos (e.g. packings, gaskets, resilient floor coverings, asphalt roofing products, etc.) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material (excluding Category I materials) that contains greater than one percent (>1%) asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

During this inspection, suspect ACM were separated into three EPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe

insulation, boiler insulation, duct insulation, and mudded insulation on pipe fittings. Surfacing ACM includes all ACM that is sprayed, troweled, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Samples are recommended to be collected in a manner sufficient to determine asbestos content and include homogenous building materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected and analyzed, but recommends the use of sampling protocols included in EPA Title 40 CFR Part 763, Sub-Part E - Asbestos Containing Materials in Schools regulation.

2.1 Methodology

Samples of suspect ACM were collected in accordance with EPA recommendations and Asbestos Hazard Emergency Response Act (AHERA) protocols. The protocols included the following:

1. Surfacing Materials (SURF) (e.g., plaster, spray-on fireproofing, etc.) were collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
    a. Three samples collected from each homogenous area that is less than or equal to (≤) 1,000 square feet.
    b. Five samples collected from each homogenous area that is greater than (>) 1,000 square feet, but less than or equal to 5,000 square feet.
    c. Seven samples collected from each homogenous area that is greater than (>) 5,000 square feet.

2. Thermal System Insulation (TSI) (e.g., pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.

3. Miscellaneous Materials (MISC) (e.g. floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The Asbestos Consultant – Inspector collected samples and prepared proper chain-of-custody for transmission of samples to an accredited asbestos analytical laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, quantity, sample identification, and asbestos content are identified by bulk sample analysis in Tables 1 and 2 of the "Results" section and Table 3 of the "Discussion" section. Any materials on the site not listed in the following tables should be considered suspect ACM until sample results indicate otherwise. Refer to *Appendix B* for PLM analytical results for suspect asbestos bulk samples.

2.2 Results

Utilizing the EPA protocol and criteria, the following materials were identified as ACM:

Table 1
Asbestos-Containing Materials

Location	Material Type	Asbestos Content	Estimated Quantity	Sample No.
Crawlspace	Internal Furnace Components (Gaskets, Rib Caulking, Roping, etc.)	Assumed	1 Furnace Unit	N/A
2nd Floor Laundry Room	Bottom Layer Tan Sheet Flooring	10% Chrysotile; 10% Crocidolite	50 SF	0408BH19A
Exterior Roof	Chimney, Pipe & Vent Roof Flashings	Assumed	10 SF	N/A

Note: SF=Square Feet

Utilizing the EPA protocol and criteria, the following materials were determined to be **non-ACM**:

Table 2
Non-Asbestos Containing Materials

Location	Material Type	Sample No.
Main Floor	Textured Ceiling Paint	0408BH01A-G
Throughout Interior	Sheetrock & Taping/Joint Compound	0408BH02A-B, 03A-B, 04
Crawlspace	White Backing on Fiberglass Insulation	0408BH05A-B
Main Floor Foyer	Red Slate Floor Tile, Glue, and Grout	0408BH06A-B, 07A-B, 08A-B
Main Floor Master Bath	White/Green/Blue Sheet Flooring and Glue	0408BH09A-B, 10A-B
	Brown Cove Base & Glue	0408BH11A-B, 12A-B
Main Floor Foyer Bath	Self-Stick Floor Tile	0408BH13A-B
Main Floor Master Bath	Ceramic Tile, Grout, and Glue	0408BH14A-B, 15A-B, 16A-B
2nd Floor Kitchen	Self-Stick Floor Tile	0408BH17A-B
2nd Floor Laundry	Gray Top Layer, Self-Stick Floor Tile[1]	0408BH18A-B[1]
Building Exterior	Exterior Window Glazing Compound	0408BH20A-C
	Paper Vapor Barrier behind Exterior Siding	0408BH21A-B
Exterior Roof	Top & Bottom Layer Roof Shingles	0408BH22A-B, 23A-B

Location	Material Type	Sample No.
Exterior Annex Garage	Exterior Window Glazing Compounds	0408BH24A-C
	Concrete Block & Grout	0408BH25A-B, 26A-B

Note: 1. To be disposed as contaminated waste

2.3 Discussion

Sample analytical results are reported in percentages of asbestos and non-asbestos components. The EPA defines any material that contains more than one percent (1%) asbestos, utilizing PLM, as an ACM. Materials that are identified as "none detected" are specified as not containing asbestos. It is usually recommended that materials identified as containing less than one percent (<1%) friable asbestos be analyzed further using the EPA point count method.

2.4 Conclusions

Interior ACM identified in *Section 2.1 - Table 1* must be removed by a State of Connecticut-licensed Asbestos Abatement Contractor prior to building renovations that will disturb the materials. This is a State of Connecticut Department of Public Health (CTDPH) Standards for Asbestos Abatement requirement.

The non-friable roofing materials identified in *Section 2.1 - Table 1* have been de-regulated by the Connecticut Department of Public Health (CTDPH). The identified non-friable roofing materials may be removed by either a CTDPH-licensed Asbestos Abatement Contractor, or by a roofing contractor provided they adhere to all Occupational Safety and Health Administration (OSHA) training requirements and EPA NESHAP regulatory requirements. All asbestos waste must be properly sealed (leak/airtight containers) and disposed in a landfill approved to accept asbestos waste. A licensed Asbestos Abatement Contractor is only required should the ACM be made friable and become a regulated ACM (RACM) by work activities. If the roofing material becomes RACM, then all applicable CTDPH regulations shall apply.

Furnace Unit– The inaccessible furnace unit was not inspected at the time of the inspection and the associated internal materials are assumed to be ACM

Roof Flashing – The roof flashing was not inspected at the time of the inspection and is assumed to be asbestos containing.
Note that since this asbestos inspection was limited, we recommend conducting a supplemental inspection of hidden and inaccessible areas (behind walls/beneath fixed floors, exterior foundation, etc.) prior to demolition/renovation activities.

Note that since this asbestos inspection was limited, we recommend conducting a supplemental inspection of hidden and inaccessible areas (behind walls/beneath fixed floors, within mechanical equipment, exterior foundation, etc.) prior to demolition/renovation activities. Any suspect ACM encountered during

renovation activities that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample results prove otherwise.

3 Lead-Based Paint Testing

EnviroScience conducted comprehensive testing for lead-based paint (LBP) within the residential Site structure. On April 7, 2014, Mr. Hobbins performed the testing. The purpose of the testing was for compliance with EPA's Renovation, Repair, and Painting Rule (RRP) located at Title 40 CFR, Parts 745.80 through 92, and the US Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (Title 24 CFR, Part 35, Subparts B-R). On May 7, 2014, Mr. August performed a risk assessment for the purpose of compliance with HUD Lead-Safe Housing Rule.

3.1 Methodology

A direct reading X-ray fluorescence (XRF) analyzer was used to perform the testing. The testing was conducted in accordance with the protocol outlined in the attached document: "Testing Procedures and Equipment" (refer to *Appendix C).*

For the purpose of this testing, various interior and exterior building components representing the initial painting history of the building, and any building-wide repainting by the owners/managers of these building components were tested. Individual repainting efforts are not discoverable in such a limited testing program. The purpose of this testing was to identify patterns and trends in the painting history of the buildings in order to determine if the EPA Toxicity Characteristic Leaching Procedure (TCLP) analysis is required for demolition debris prior to off-site disposal. Additionally, representative lead in dust wipe samples, lead in soil samples, and lead in drinking water samples were collected for the risk assessment portion of the project.

The structure is constructed of wood siding exterior with metal/wood window and door systems. The interior is composed of sheetrock with wood and concrete floors. There were no children under the age of six present within the residence at time and date of this inspection.

3.2 XRF Testing Results

The testing indicated consistent painting patterns and trends throughout the building interiors and exteriors. Of the building components tested, only the following building components were determined to contain toxic levels of lead (greater than 1.0 milligrams of lead per square centimeter of paint [mg/cm^2]):

Table 3
Lead Painted Building Components

Building Component	Location	Reading (mg/cm^2)	Defective?
Exterior Window Sash	East Side of Building (C)	1.1	Yes
Interior Wood Wall	Annex Garage	>9.9	No

Refer to *Appendix D* for the lead testing field data sheets and diagrams.

3.3 Dust Wipe Samples Results

Representative dust wipe samples were collected inside the Site structure to evaluate whether a lead dust hazard exists. The sample numbers, locations, and results are as follows:

Table 4
Lead Dust Wipe Sample Results

Sample No.	Sample Location	Results*
050714UA-03	Bedroom 2–Floor	<10 µg/ft²
050714UA-04	Bedroom 2–Window Sill	<40 µg/ft²
050714UA-05	Office (Room 4)–Floor	<10 µg/ft²
050714UA-06	Office (Room 4)–Floor *duplicate sample*	46 µg/ft²
050714UA-07	Office (Room 4)–Window Sill	370 µg/ft²
050714UA-08	Kitchen (Room 8)–Window Sill	<40 µg/ft²
050714UA-09	Kitchen (Room 8)–Floor	<10 µg/ft²
050714UA-10	Loft (Room 9)–Window Sill	<40 µg/ft²
050714UA-11	Loft (Room 9)–Floor	<10 µg/ft²
050714UA-12	Field Blank	<10 µg/ft²
050714UA-13	Field Blank	<10 µg/ft²

Note: µg/ft² = micrograms of lead per square foot

Dust wipe samples were collected from window sill and floor locations as delineated on our chain of custody form. The dust wipe sampling was conducted in accordance with the protocol outlined in the document "Lead Testing Procedures and Equipment" (refer to *Appendix C).* Sample results were compared to State of Connecticut re-occupancy standards for dust as follows:

- 40 µg/ft² for floors

- 250 µg/ft² for window sills

The analytical sample results and chain of custody forms are provided as *Appendix E* in this report.

3.4 Lead in Soil Sample Results

A representative composite soil sample was collected of the bare soil area along the exterior drip line of the Site structure to evaluate whether a lead in soil hazard exists. The sample numbers, locations, and results are as follows:

Table 5
Soil Sample Results

Sample No.	Location	Results*
050714UA-14	A-Side Composite, Drip Line	740 mg/kg
050714UA-15	B-Side Composite, Drip Line	66 mg/kg
050714UA-15	D-Side Composite, Drip Line	160 mg/kg

*Results reported in mg/kg = milligrams per kilogram (or ppm)

The soil sampling was conducted in accordance with the protocol outlined in the document "Lead Testing Procedures and Equipment" (refer to *Appendix C).*

The analytical sample results and locations are provided as *Appendix F* in this report.

3.5 Lead in Drinking Water Sample Results

Representative drinking water samples (first draw and two-minute flush) were collected from the kitchen faucet at the Site structure to evaluate whether a lead in drinking water hazard exists.

The analytical results of the samples were 0.129 milligrams per liter (mg/L) for the first draw and 0.008 mg/L for the two minute flush for lead in drinking water.

The analytical sample results and their locations are provided as *Appendix G* in this report.

3.6 Conclusions

The following building components were determined to be coated with toxic levels of lead in paint:

- Window Sash–C Side
- Garage Interior Wall

Exterior defective LBP identified on the window and door systems, and exterior front porch components can be addressed with interim controls that consist of scraping the defective LBP and encapsulating the painted surface with a CTDPH-approved encapsulant.

If these LBP-containing building components are to be demolished during renovations, a representative sample of the demolition waste stream must be collected and analyzed by TCLP to determine off-site disposal requirements.

Dust wipe sample results were above the State of Connecticut standard for window sill and floor surfaces in the office (Room 4); a lead dust hazard does exist in the areas tested. Lead dust located on the floor and window sill surfaces within the office (Room 4) must be cleaned to below the State of Connecticut clearance standards of 40 $\mu g/ft^2$ for floors and 250 $\mu g/ft^2$ for window sills. Additionally, the floors and window sills that sampled need to be sampled or assumed to contain lead dust above the clearance standards.

Soil sample results were above the CTDPH standard for lead in soil of 400 mg/kg; a lead in soil hazard does exist in the areas tested. Impermanent surface coverings may be used to treat lead-contaminated soil if applied. Examples of acceptable impermanent coverings include: gravel, bark, sod, and artificial turf.

The first draw lead in drinking water sample result indicates the lead in water at a concentration of 0.129 mg/L. The two-minute flush lead in drinking water sample result indicates lead in water at a concentration of 0.008 mg/L. A lead in drinking water hazard does exist in the residence as the results were above the 0.015 mg/L threshold.

Note that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 does not apply. The Contractor shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers and building occupants.

For purposes of complying with the EPA RRP, a comprehensive lead inspection of the entire structure or targeted areas scheduled for renovation is necessary to determine if the RRP rule is applicable. A comprehensive lead inspection includes testing representative coated surfaces of each building component in each room or room equivalent for lead in paint content. All similar building components to the surface tested on a per room basis shall be considered as having the same paint (e.g., if more than one window or door in a room - typically only one is tested but remaining must be assumed to be the same as the one tested). **This inspection was performed as a comprehensive inspection of all representative surfaces within the residence that are scheduled to be disturbed and can be utilized to determine applicability requirements for the RRP rule on surfaces tested.**

Those surfaces which contain lead paint are subject to RRP work practice and training requirements if more than de-minimus amounts are disturbed in renovation or for projects involving window replacement. Those surfaces that do not contain LBP are not subject to the RRP requirements. If a specific building component or surface is not identified as having been tested for LBP, it should be presumed to contain LBP unless testing indicates otherwise. Contractors should be aware that the threshold limit of 1.0 mg/cm^2 for purposes of RRP requirements is not recognized by OSHA and is subject to the "Lead in Construction" regulation

4 Assessment of PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs unless proven otherwise by quantitative analytical testing. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen and is listed under the EPA Resource Conservation and Recovery Act (RCRA) and the Superfund law as a hazardous waste. Therefore, Superfund liability exists for land filling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA and require special handling and disposal requirements.

4.1 Methodology

On April 7, 2014, EnviroScience representative Mr. Hobbins performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCB's". Ballasts manufactured after 1991 were not listed as a PCB or DEHP-containing ballast, and not quantified for disposal. Ballasts without a "No PCB's" label are presumed to be PCB waste, and must be segregated for proper removal, packaging, transport and disposal as PCB waste. Ballasts with date labels indicating manufacture prior to 1991 that indicate "No PCB's" are presumed to contain DEHP, and must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. The disposal requirements are slightly varied, and costs are slightly less for DEHP than PCB-containing light ballasts.

4.2 Results

Several of the light fixtures that were examined were labeled neither with the manufacturer's information, nor with a "No PCB's" label. However during the inspection, some types of light ballasts were labeled with a "No PCB's" label. Therefore there is a mixture of assumed PCB-containing and non-PCB containing light ballasts within the Site building areas inspected. .

It is estimated that a total of approximately 10 light ballasts exist within the Site structure that were neither labeled with the manufacturer's information, nor with a "No PCB's" label.

4.3 Conclusions

If the renovation activities will disturb the materials, the ballasts labeled "No PCBs" should be properly recycled as PCBs. The remaining ballasts that are labeled "No PCBs" should be properly recycled as assumed DEHP-containing waste.

5 Assessment of Mercury-Containing Devices

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. Mercury lamps according to the EPA are considered a universal waste requiring all fluorescent lamps/tubes to be recycled or disposed as hazardous waste.

5.1 Methodology

On April 7, 2014, EnviroScience's representative Mr. Hobbins performed a visual inspection and inventory of mercury-containing lamps/tubes, thermostats, gauges and switches.

5.2 Results

Approximately 20 light bulbs were observed during the visual inspection. No thermostats, switches, or gauges were observed within the structure.

5.3 Conclusions

The mercury-containing light bulbs should be properly recycled or disposed as universal waste prior to disturbance.

6 Mold Visual Assessment

On April 8, 2014, EnviroScience representative Mr. Hobbins performed a visual assessment for the presence of suspect mold and water intrusion.

6.1 Observations

No suspected mold growth was identified on building materials observed within the Site structure at the time of this inspection.

7 Airborne Radon Information, Sampling and Procedure

7.1 Radon Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium which is found in soil and rock throughout the US. Radon gas travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually the gas itself decays into

radioactive particles (decay products) that can become trapped in the lungs during human respiration. As these particles in turn decay they release small bursts of radiation which can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

EPA studies have determined that radon gas concentrations in outdoor air average approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products can accumulate to a much higher concentration inside a building. The EPA has adopted a recommended action level of 4.0 pCi/L; equal to or above which the EPA recommends that building owners take action to reduce the level of airborne radon with the building.

Radon is a colorless, odorless and tasteless gas, and thus, the only way to know whether or not an elevated level of radon gas is present in a building is to test the air for radon gas. Each frequently occupied room that is in contact with the lowest living level of the building should be measured, as even adjacent rooms can have significantly different levels of radon.

Again, radon is a known human carcinogen. Prolonged exposure to elevated radon concentrations causes an increased risk of lung cancer. Like other environmental pollutants, there is some uncertainty about the magnitude of radon health risks. However, scientists are more certain about radon risks than risks from most other cancer-causing environmental pollutants as estimates of radon risk are based on studies of cancer in humans (underground miners). Additional studies on more typical, non-occupationally exposed, populations are underway.

EPA estimates that radon may cause about 14,000 lung cancer deaths in the US each year, with a range of 7,000 to 30,000. The US Surgeon General has warned that radon gas is the second-leading cause of lung cancer deaths after smoking, and is the leading cause among non-smokers.

7.2 Airborne Radon Sampling Methodology

From April 8, 2014 to April 10, 2014, EnviroScience representatives deployed passive radon gas detection canisters in limited areas within the Site structure. The canisters were retrieved at least 48-hours, but not later than 96-hours later. The canisters were supplied by Radon Testing Corporation of America (RTCA).

It is recommended that such canisters be placed at least 20-inches from the floor and 12 inches away from exterior walls. Also, it is recommended that the canisters not be placed near drafts resulting from Heating, Ventilating and Air Conditioning (HVAC) intakes and returns, doors, and at least 36-inches from windows. Also, canisters should not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12-hours prior to testing being conducted.

Sample analysis was performed by RTCA; results are included in *Appendix F*.

7.3 Airborne Radon Quality Assurance Procedure

EPA strongly recommends that quality assurance measurements are included in radon measurement studies. Quality assurance measurements include side-by-side canisters (duplicates), and unexposed control canisters (blanks).

Duplicates are pairs of canisters deployed in the same location, side-by-side, for the same measurement period. Duplicates are placed in at least ten percent of all sampling locations. These duplicate canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either or both of the analyses in a duplicate pairing is above the EPA standard of 4.0 pCi/L, the relative percent difference (RPD) between the two tests must be determined. If the allowable difference is exceeded, the test is determined to be invalid and a new duplicate test must be run. If both canister results are below the EPA standard then the RPD is not calculated since, despite any disparity, both results are below the EPA standard.

Blanks are utilized to determine whether the manufacturing, shipping, storage, and processing of the canisters has affected the accuracy of airborne radon gas sampling procedures. Blanks are unopened, unexposed canisters that are deployed with and shipped with the exposed canisters, so the processing laboratory treats them without bias. The number of blanks is at least five percent of the total number of canisters deployed, up to a maximum of 25 canisters.

7.4 Airborne Radon Analytical Results

Four canisters, including one duplicate and one blank, were deployed in target locations within the Site structure during sampling that was performed April 8, 2014, to April 10, 2014. The concentrations of radon gas in the samples during the initial assessment ranged from 0.1 pCi/L to 2.6 pCi/L. The EPA recommended action level for indoor radon gas is 4.0 pCi/L.

In *Table 6* below, the locations and results of quality control duplicate tests are listed for the sampling conducted from April 8, 2014 to April 10, 2014:

Table 6
Duplicate Samples Results – April 8, 2014 – April 10, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Bedroom 2	2299423 & 2313946	0.5	0.4	0.45	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

Note Duplicate testing results were satisfactory.

In *Table 7* below, the locations and results of quality control blank tests are listed for sampling conducted from April 8 2014 to April 10, 2014:

Table 7
Blank Samples Results – April 8, 2014 – April 10, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Office	2314400	0.4

Note Blank testing results were satisfactory.

In *Table 8* below, the locations, canister numbers, and radon concentrations are listed for the airborne radon assessment conducted from April 8, 2014 to April 10, 2014:

Table 8
Radon Sampling Results – April 8, 2014 – April 10, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Bedroom	2299423	0.5
Office	2314120	0.2

7.5 Conclusions

During the course of the initial radon gas assessment, four sampling canisters, including one duplicate and one blank, were placed in targeted locations within Site structure. Of the four samples analyzed, each of the samples collected were below EPA recommended action level of 4.0 pCi/L. No further action regarding radon gas is required.

Report prepared by Environmental Technician Robert Hobbins.

Reviewed by:

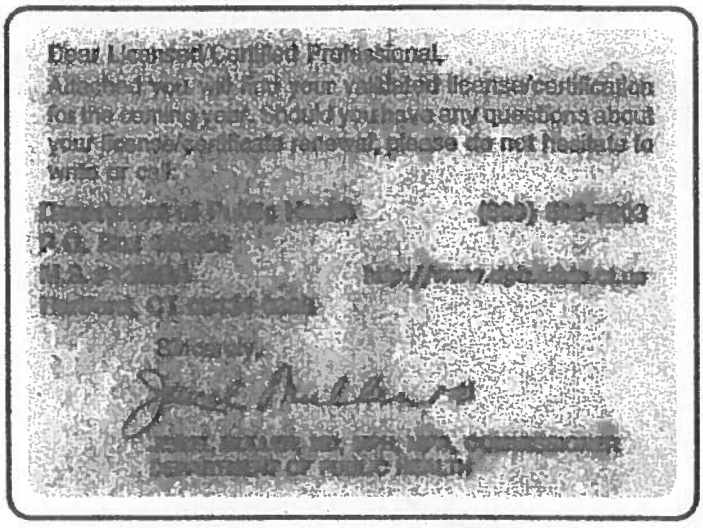
Kevin McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

FUSS & O'NEILL
EnviroScience, LLC

Appendix A

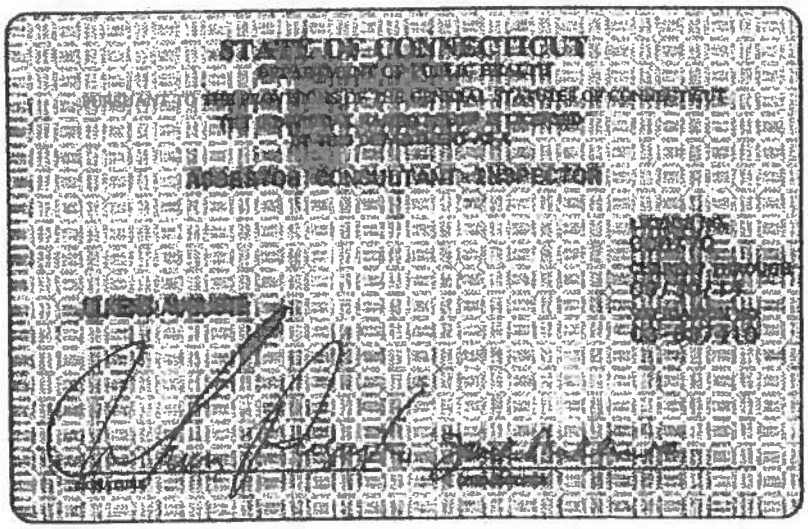
Fuss &O'Neill EnviroScience State Licenses, Certifications and Accreditations

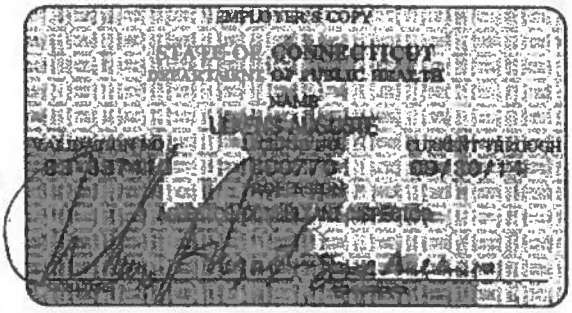


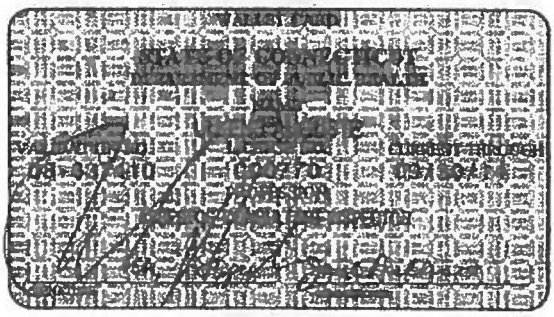
0001760 FP **PRSRT T7 0 1284 06040
ULKENS AUGUSTE
146 HARTFORD RD
C/O FUSS & O'NEIL ENVIRO SCIENCE
MANCHESTER CT 06040-5992

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.







Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

Ulkens Auguste

xxx-xx-6277

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

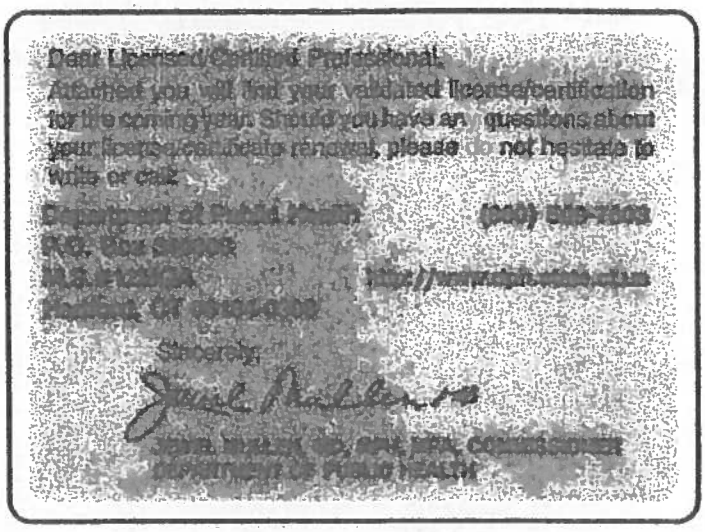
Robert L. May, Jr., Training Manager

January 6, 2014
Date of Course

AI-R-01/14-4
Certificate Number

January 6, 2014
Examination Date

January 6, 2015
Expiration Date



0001768 FP **PRSRT T7 0 1264 06040
ULKENS AUGUSTE
146 HARTFORD RD
C/O FUSS & O'NEIL ENVIRO SCIENCE
MANCHESTER CT 06040-5992

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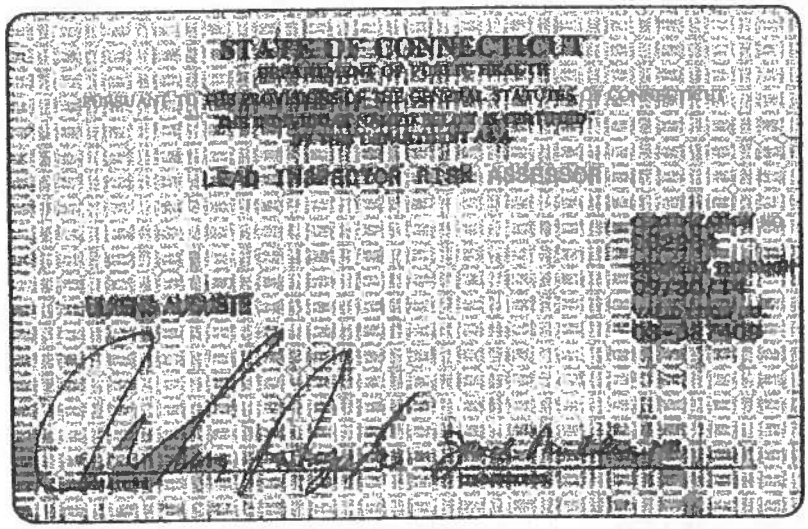

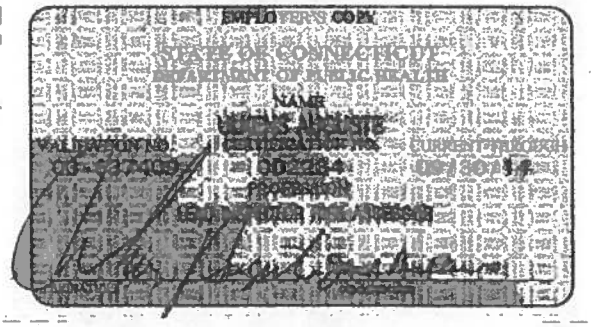

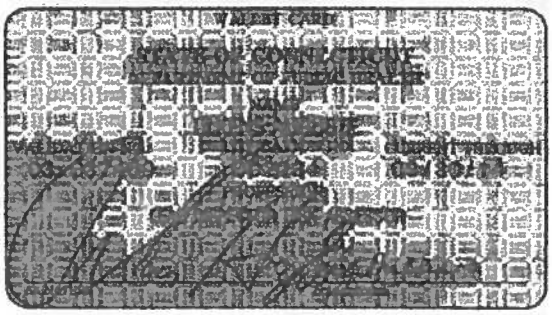

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

Ulkens Auguste

xxx-xx-6277

has successfully completed the

8 Hour Lead Inspector Risk Assessor Refresher Course

(Approved per Sec. 20-477, CT General Statutes)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Brian Santos, Principal Instructor

Robert L. May, Jr., Training Manager

February 20 & 25, 2014
Date of Course

LIRA-R-02/14-1
Certificate Number

February 25, 2014
Examination Date

February 25, 2015
Expiration Date

0001068 FP **PRSRT T5 0 0664 06040

JOHN R. HOBBINS
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER CT 06040

Dear Licensed/Certified Professional,

Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call.

Department of Public Health (860) [illegible]
P.O. Box [illegible]
MS [illegible] http://www.dph.state.ct.us
Hartford, CT [illegible]

Sincerely,

[illegible], COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

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4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT THE INDIVIDUAL NAMED BELOW IS LICENSED BY THE DEPARTMENT AS A

ASBESTOS CONSULTANT-INSPECTOR

JOHN R. HOBBINS

LICENSE NO. 000700
CURRENT THROUGH 01/31/15
VALIDATION NO. 03-708142

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-708142	000700	01/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
JOHN R. HOBBINS

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-708142	000700	01/31/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

John Robert Hobbins

XXX-XX-6853

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 4, 2013

Date of Course

AI-R-09/13-6

Certificate Number

September 4, 2013; B

Examination Date & Grade

September 4, 2014

Expiration Date

John R. Hobbins
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
146 HARTFORD ROAD
MANCHESTER, CT 06040

Dear Licensed/Certified Professional,

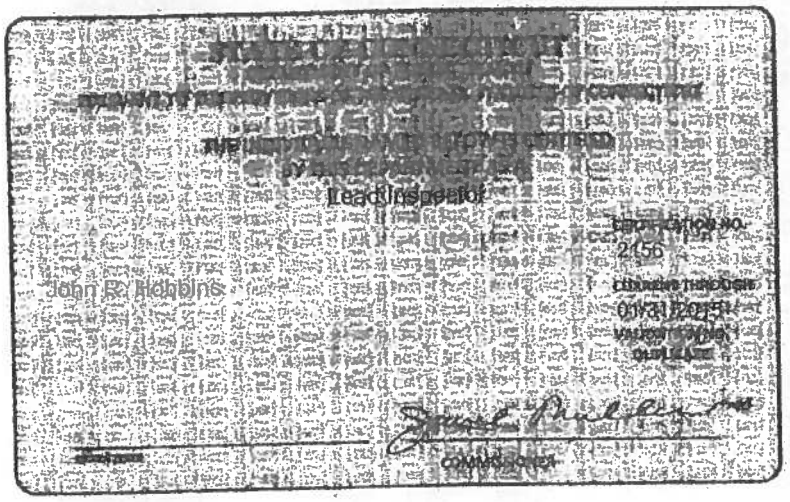
Attached you will find your [illegible] license/certification for the [illegible]. Should you have any questions about your license/[illegible], please do not hesitate to write or call:

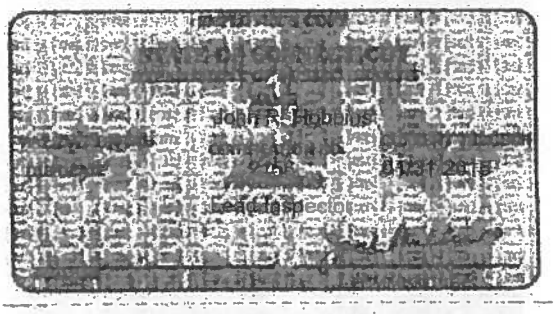
Department of Public Health (860) 509-7603
P.O. Box 340308
M.S.#12MQA http://www.dph.state.ct.us
Hartford, CT 06134-0308

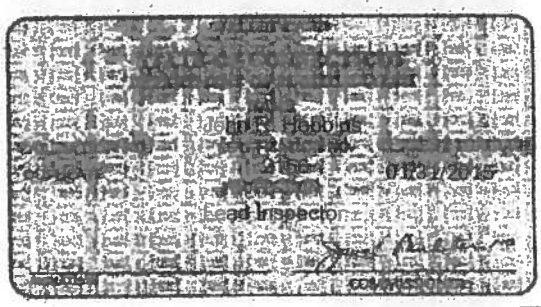
JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. [illegible] each of the cards on this form.
2. Display the [illegible] at a prominent place in your office or place of business.
3. The [illegible] is for you to retain on your person, if you do not wish to carry the [illegible] at a separate place.
4. The employer's copy is for persons who must [illegible] licensure/certification in order to retain employment or privileges. The employer's copy is to be [illegible] by the employee and kept by them as proof of your [illegible]. Only one copy of this card can be supplied to you.







CERTIFICATE OF ACHIEVEMENT

This certifies that

John Robert Hobbins
97 Montowese Street, Branford, CT 06405
000-00-6853

has successfully completed the

INSPECTOR REFRESHER
Training Course
conducted by
Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor: Neal Freudan

January 30, 2014
Date of Course

January 30, 2014
Exam Date

CTLIR-205
Certificate Number

January 30, 2015
Expiration Date

Training Manager: Gregory Morsch

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 477 of the Connecticut General Statutes.

Appendix B

Asbestos Sample Results and Chain of Custody Forms

FUSS & O'NEILL
EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

www.fando.com

Phone (860)646-2469 Fax (860) 649-6883

0414100 25

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 4

Project Name: QA Residential Rehab ~~31 Westland Street~~ 35 Old Dam Rd., Fairfield, CT Project No. 20140277.A6E

Building: 31 Westland Street Project Manager: McCarthy

Sample ID	Sample Location	Material	Result (%)
0408BH01A	Main Floor	Textured Ceiling Paint	None Detected
0408BH01B	Main Floor	Textured Ceiling Paint	
0408BH01C	Main Floor	Textured Ceiling Paint	
0408BH01D	Main Floor	Textured Ceiling Paint	
0408BH01E	Main Floor	Textured Ceiling Paint	
0408BH01F	Main Floor	Textured Ceiling Paint	
0408BH01G	Main Floor	Textured Ceiling Paint	
0408BH02A	Main Floor	Sheetrock	
0408BH02B	Crawlspace	Sheetrock	
0408BH03A	Main Floor	Taping/Joint Compound	
0408BH03B	Crawlspace	Taping/Joint Compound	
0408BH04	Crawlspace	Sheetrock &Taping/Joint Compound Composite	<1% chrysotile
0408BH05A	Crawlspace	White Backing on Fiberglass Insulation	None Detected
0408BH05B	Crawlspace	White Backing on Fiberglass Insulation	
0408BH06A	Main Floor Foyer	Red Slate Floor Tile	

RECEIVED EMSL MINSON, N.J. APR 15 A 11:22

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: R Hobbins **Date:** 4-8-14 **Time:** _____

Samples [Rec'd] [Sent by] [BH] [ ] **Date:** [4-14] [ ] **Time:** _____

Samples Received by: AK EMSL-Ex **Date:** 4/15/14 **Time:** 1015

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Other _____

F:\P2014\0277\A6E\lab data\COC_BH_2014-0414.doc

041410025

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040 Phone (860)646-2469 Fax (860) 649-6883

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 4

Project Name: QA Residential Rehab ~~31 Westland Street~~ 35 Old Dam Rd, Fairfield, CT Project No. 20140277.A6E

Building: 31 Westland Street Project Manager: McCarthy

Sample ID	Sample Location	Material	Result (%)
0408BH06B	Main Floor Foyer	Red Slate Floor Tile	None Detected
0408BH07A	Main Floor Foyer	Red Slate Floor Tile Grout	
0408BH07B	Main Floor Foyer	Red Slate Floor Tile Grout	
0408BH08A	Main Floor Foyer	Red Slate Floor Tile Glue	
0408BH08B	Main Floor Foyer	Red Slate Floor Tile Glue	
0408BH09A	Main Floor Master Bath	White/Green/Blue Sheet Flooring	
0408BH09B	Main Floor Master Bath	White/Green/Blue Sheet Flooring	
0408BH10A	Main Floor Master Bath	Sheet Flooring Glue	
0408BH10B	Main Floor Master Bath	Sheet Flooring Glue	
0408BH11A	Main Floor Master Bath	Brown Cove Base	
0408BH11B	Main Floor Master Bath	Brown Cove Base	
0408BH12A	Main Floor Master Bath	Cove Base Glue	
0408BH12B	Main Floor Master Bath	Cove Base Glue	
0408BH13A	Main Floor Foyer Bath	Self-Stick Floor Tile	
0408BH13B	Main Floor Foyer Bath	Self-Stick Floor Tile	

RECEIVED EMSL CINNAMINSON N.J. 2014 APR 15 A 11: 22

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: BM **Date:** 4-8-14 **Time:** _____

Samples [Rec'd][Sent by] [BM][ ] **Date:** [4-14][ ] **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Other _____

04141 10025

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SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 4

Project Name: QA Residential Rehab–31 Westland Street, Fairfield, CT Project No. 20140277.A6E

Building: 31 Westland Street Project Manager: McCarthy

Sample ID	Sample Location	Material	Result (%)
0408BH14A	Main Floor Master Bath	Ceramic Tile	None Detected
0408BH14B	Main Floor Master Bath	Ceramic Tile	
0408BH15A	Main Floor Master Bath	Ceramic Tile Grout	
0408BH15B	Main Floor Master Bath	Ceramic Tile Grout	
0408BH16A	Main Floor Master Bath	Ceramic Tile Glue	
0408BH16B	Main Floor Master Bath	Ceramic Tile Glue	
0408BH17A	2nd Floor Kitchen	Self-Stick Linoleum Floor Tile	
0408BH17B	2nd Floor Kitchen	Self-Stick Linoleum Floor Tile	
0408BH18A	2nd Floor Laundry	Grey Top Layer Self Stick Floor Tile	
0408BH18B	2nd Floor Laundry	Grey Top Layer Self Stick Floor Tile	
0408BH19A	2nd Floor Laundry	Bottom Layer Tan Sheet Flooring	None Detected 10%
0408BH19B	2nd Floor Laundry	Bottom Layer Tan Sheet Flooring	Chrysotile
0408BH20A	Exterior of Building	Exterior Window Glazing Compounds	None Detected
0408BH20B	Exterior of Building	Exterior Window Glazing Compounds	
0408BH20C	Exterior of Building	Exterior Window Glazing Compounds	

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CINNAMINSON, NJ

Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hr

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: R.H **Date:** 4-8-14 **Time:** _____

Samples [Rec'd] [Sent by] [BH] [ ] **Date:** [4-14] [ ] **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

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Method of Shipment: ☒ FedEx ☐ Other _____

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SAMPLE LOG FOR ASBESTOS BULKS

Project Name: QA Residential Rehab–31 Westland Street, Fairfield, CT Project No. 20140277.A6E

Building: 31 Westland Street Project Manager: McCarthy

Sample ID	Sample Location	Material	Result (%)
0408BH21A	Exterior of Building	Paper Vapor Barrier behind Siding	None Detected
0408BH21B	Exterior of Building	Paper Vapor Barrier behind Siding	
0408BH22A	Exterior Roof	Top Layer Roof Shingle	
0408BH22B	Exterior Roof	Top Layer Roof Shingle	
0408BH23A	Exterior Roof	Bottom Layer Roof Shingle	
0408BH23B	Exterior Roof	Bottom Layer Roof Shingle	
0408BH24A	Exterior Garage	Exterior Window Glazing Compounds	
0408BH24B	Exterior Garage	Exterior Window Glazing Compounds	
0408BH24C	Exterior Garage	Exterior Window Glazing Compounds	
0408BH25A	Exterior Garage	Concrete Block	
0408BH25B	Exterior Garage	Concrete Block	
0408BH26A	Exterior Garage	Concrete Block Grout	
0408BH26B	Exterior Garage	Concrete Block Grout	

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Analysis Method: ☒ PLM ☐ Other Turnaround Time 24 hr

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Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: B.H **Date:** 4-8-14 **Time:** _____

Samples [Rec'd][Sent by] [BH][ ] **Date:** [4-14][ ] **Time:** _____

Samples Received by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL State NJ ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Other _____

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ProjectID:	

Attn: **Kevin McCarthy**
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Analysis Date:	4/15/2014
Collected:	

Project: **20140277.A3E / 35 Old Dam Road, Fairfield, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH01A *041410025-0001*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01B *041410025-0002*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01C *041410025-0003*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01D *041410025-0004*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01E *041410025-0005*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01F *041410025-0006*	MAIN FLOOR - TEXTURED CEILING PAINT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH01G *041410025-0007*	MAIN FLOOR - TEXTURED CEILING PAINT	White Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH02A *041410025-0008*	MAIN FLOOR - SHEETROCK	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	**None Detected**

Analyst(s)

Brett Poulton (31)
Chelsey Bilhear (26)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH02B *041410025-0009*	CRAWLSPACE - SHEETROCK	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
0408BH03A *041410025-0010*	MAIN FLOOR - TAPING/ JOINT COMPOUND	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
0408BH03B *041410025-0011*	CRAWLSPACE - TAPING/ JOINT COMPOUND	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
0408BH04 *041410025-0012*	CRAWLSPACE - SHEETROCK & TAPING/ JOINT COMPOUND	Brown/Gray/Tan Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	<1% Chrysotile
0408BH05A *041410025-0013*	CRAWLSPACE - WHITE BACKING ON FIBERGLASS INSULATION	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH05B *041410025-0014*	CRAWLSPACE - WHITE BACKING ON FIBERGLASS INSULATION	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH06A *041410025-0015*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH06B *041410025-0016*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH07A *041410025-0017*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE GROUT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH07B *041410025-0018*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE GROUT	Gray/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH08A *041410025-0019*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH08B *041410025-0020*	MAIN FLOOR FOYER - RED SLATE FLOOR TILE GLUE	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH09A *041410025-0021*	MAIN FLOOR MASTER BATH - WHITE/ GREEN/ BLUE SHEET FLOORING	White/Blue/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH09B *041410025-0022*	MAIN FLOOR MASTER BATH - WHITE/ GREEN/ BLUE SHEET FLOORING	White/Blue/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH10A *041410025-0023*	MAIN FLOOR MASTER BATH - SHEET FLOORING GLUE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH10B *041410025-0024*	MAIN FLOOR MASTER BATH - SHEET FLOORING GLUE	Yellow/Clear Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
0408BH11A *041410025-0025*	MAIN FLOOR MASTER BATH - BROWN COVE BASE	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH11B *041410025-0026*	MAIN FLOOR MASTER BATH - BROWN COVE BASE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH12A *041410025-0027*	MAIN FLOOR MASTER BATH - COVE BASE GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH12B *041410025-0028*	MAIN FLOOR MASTER BATH - COVE BASE GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH13A *041410025-0029*	MAIN FLOOR FOYER BATH - SELF-STICK FLOOR TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH13B *041410025-0030*	MAIN FLOOR FOYER BATH - SELF-STICK FLOOR TILE	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH14A *041410025-0031*	MAIN FLOOR MASTER BATH - CERAMIC TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH14B *041410025-0032*	MAIN FLOOR MASTER BATH - CERAMIC TILE	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH15A *041410025-0033*	MAIN FLOOR MASTER BATH - CERAMIC TILE GROUT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH15B *041410025-0034*	MAIN FLOOR MASTER BATH - CERAMIC TILE GROUT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH16A *041410025-0035*	MAIN FLOOR MASTER BATH - CERAMIC TILE GLUE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH16B *041410025-0036*	MAIN FLOOR MASTER BATH - CERAMIC TILE GLUE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH17A *041410025-0037*	2ND FLOOR KITCHEN - SELF-STICK LINOLEUM FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH17B *041410025-0038*	2ND FLOOR KITCHEN - SELF-STICK LINOLEUM FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH18A *041410025-0039*	2ND FLOOR LAUNDRY - GREY TOP LAYER SELF-STICK FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH18B *041410025-0040*	2ND FLOOR LAUNDRY - GREY TOP LAYER SELF-STICK FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH19A *041410025-0041*	2ND FLOOR LAUNDRY - BOTTOM LAYER TAN SHEET FLOORING	Tan Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
0408BH19B *041410025-0042*	2ND FLOOR LAUNDRY - BOTTOM LAYER TAN SHEET FLOORING				Stop Positive (Not Analyzed)

Analyst(s)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH20A *041410025-0043*	EXTERIOR OF BUILDING - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH20B *041410025-0044*	EXTERIOR OF BUILDING - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH20C *041410025-0045*	EXTERIOR OF BUILDING - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH21A *041410025-0046*	EXTERIOR OF BUILDING - PAPER VAPOR BARRIER BEHIND SIDING	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
0408BH21B *041410025-0047*	EXTERIOR OF BUILDING - PAPER VAPOR BARRIER BEHIND SIDING	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH22A *041410025-0048*	EXTERIOR ROOF - TOP LAYER ROOF SHINGLE	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (other)	None Detected
0408BH22B *041410025-0049*	EXTERIOR ROOF - TOP LAYER ROOF SHINGLE	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (other)	None Detected
0408BH23A *041410025-0050*	EXTERIOR ROOF - BOTTOM LAYER ROOF SHINGLE	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
0408BH23B *041410025-0051*	EXTERIOR ROOF - BOTTOM LAYER ROOF SHINGLE	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
0408BH24A *041410025-0052*	EXTERIOR GARAGE - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0408BH24B *041410025-0053*	EXTERIOR GARAGE - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
0408BH24C *041410025-0054*	EXTERIOR GARAGE - EXTERIOR WINDOW GLAZING COMPOUNDS	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH25A *041410025-0055*	EXTERIOR GARAGE - CONCRETE BLOCK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH25B *041410025-0056*	EXTERIOR GARAGE - CONCRETE BLOCK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH26A *041410025-0057*	EXTERIOR GARAGE - CONCRETE BLOCK GROUT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
0408BH26B *041410025-0058*	EXTERIOR GARAGE - CONCRETE BLOCK GROUT	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

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Appendix C

Lead Paint Testing Procedures and Equipment

Standard Operating Procedures
HUD and State of Connecticut Lead-Based Paint Inspections

Testing Procedures and Equipment

The U. S. Department of Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead Hazards in Housing, September 1997" were consulted for this lead evaluation. HUD has been the agency at the federal level with responsibility for the establishment of national lead-based paint standards for testing and abatement. The HUD document will be referenced as the Guidelines in this report. The State of Connecticut Department of Public Health's current lead regulations, Lead Poisoning Prevention and Control (19a-111-1 through 19a-111-11) were also consulted.

This lead evaluation was comprehensive. A comprehensive inspection means that representative painted surfaces were systematically evaluated on a room-by-room basis in accordance with the Guidelines and the State of Connecticut regulations.

Lead-based paint surfaces and components were identified by utilizing on-site x-ray fluorescence (XRF) instruments. EnviroScience Consultants, Inc. owns and utilizes Radiation Monitoring Device LPA-1s (RMD instruments) exclusively for lead-based paint testing. Each instrument is operated in accordance with state and federal and manufacturer standards on the use of the instruments. State and federal protocols provide, with the exception of wall surfaces, one reading with the instrument on a representative component in each room, i.e., baseboard, chair rail, etc., as sufficient to establish the lead paint classification of all the representatives of that component type in a room. In the case of walls, because of the large spatial areas involved and the variability in lead content in paint over such large areas, the federal and state governments want a reading on each wall surface in a room. Therefore, representative testing is not permitted for walls.

The federal government has developed Performance Characteristic Sheets (PCS) for the type of instrument cited above. Each instrument must be calibrated in accordance with these PCSs on a 1.0-milligram lead standard. Each of EnviroScience's instruments has one of these standards assigned to it. Some of the standards were purchased directly from the government and the others from the manufacturers of the instruments.

For the RMD in the standard reading mode on metal, a Substrate Equivalent Lead (SEL) concentration has to be determined. To determine the SEL, the paint is removed from the surface of the component to obtain a bare substrate reading. After removing the paint, the surface is wiped with a 5% trisodium phosphate solution (a heavy duty cleaner). All paint residue is collected and properly disposed. Once the paint and surrounding area are cleaned, the XRF is utilized to determine the SEL for each surface. The SEL values are subtracted from the XRF values to determine the Corrected Lead Concentration (CLC). The CLC is the lead content of the paint on the component tested.

The RMD instrument has federal government-determined positive and negative ranges for the definition of lead-based paint. XRF results are classified using either the threshold or the inconclusive range. For the threshold, results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold. There is no inconclusive

classification when using the threshold values associated with an RMD instrument. The ranges for the RMD instrument and their various operating modes are as follows:

Radiation Monitoring Device LPA Analyzer 1

30-Second Standard Mode Reading Description	Substrate	Threshold (mg/cm^2)
Results corrected for substrate bias on metal substrate only.	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

Quick Mode Reading Description	Substrate	Threshold (mg/cm^2)	Inconclusive Range (mg/cm^2)
Readings not corrected for substrate bias on any substrate.	Brick	1.0	None
	Concrete	1.0	None
	Drywall	1.0	None
	Metal	1.0	None
	Plaster	1.0	None
	Wood	1.0	None

Prior to the start of any testing, a sketch of the building is drawn, and side designations are given to help identify exactly where readings were taken. Drawings depicting the room-numbering scheme are located on the cover page(s) for the building(s) inspected. Each side of the building was labeled A, B, C, or D. The wall "A" side of the unit is generally the side of primary entrance into a dwelling, and this room is always Room 1. Areas in the units include rooms, hallways, and closets. Areas are numbered in a clockwise fashion as building construction allows. This allows the inspector to indicate which substrate surface was tested. The condition of the surface is described by a check mark in the appropriate column, under the heading "condition of surface" on the testing form.

When more than one surface type was present on a side, the component tested was indicated with a number. If two windows were present on a building side, they were numbered left to right. Closet shelves and shelf supports were numbered top to bottom.

It is understood that the room layouts presented in the report are in conformance with the conditions that exist at the time the testing is performed. EnviroScience avoids labeling a room solely by its current functional use (i.e., living room, bedroom, etc.) since this use can change over time. Similarly, room layouts can change dramatically as dwellings are renovated and additions are built, incorporating existing rooms, or existing interior walls are moved or eliminated altogether.

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Lead Dust Wipe Sampling Protocol

Data Collection

A. A description of the sample location is recorded.

B. Surface type (floor, windowsill, window well) is noted.

C. Surface area measurements are recorded.

Wipe Sampling Method

A. The area to be wiped is identified and measured.

B. A disposable glove is put on and the "ghost wipe" package is opened.

C. Without touching any other surface, the wipe is opened and placed flat down on the surface. Using firm, consistent pressure, a wipe is taken in a single "S" motion.

D. Next the wipe is folded in half with the contaminated side facing inward and another wipe is taken again at 90 degrees to the first "S" wipe. Do not use a scrubbing motion, but be sure to collect all visible dust in the measured area.

E. The wipe is folded again with the contaminated side inward. Without touching any other surface, the wipe is placed into a plastic centrifuge tube. The tube is sealed and labeled. The sample number indicates the date and sampler's identity.

F. The samples are submitted to our laboratory on our standard sample log. Date and time of transfer is recorded to ensure proper chain of custody. The analytical procedure utilized is a modified EPA SW-846-3050. Blanks are submitted in accordance with EnviroScience's QA/QC program.

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Lead In Soil Composite Sampling Protocol

Linear Transect Method:

For use around roadways, buildings, and other structures such as painted fencing, concrete walls, etc. Each side of the building is labeled with a letter. The 'A' side of the building is the street side. The remaining sides are labeled B, C, and D, clockwise around the building. Fencing and concrete walls are similarly labeled if there is a street side. Otherwise, along with roadways, these structures can be labeled using the directional points North, South, East and West.

1. Linear transects are established parallel to the building, wall, fence or roadway at 2 foot intervals.

2. Three (3) to ten (10) distinct locations roughly equidistant from one another along the transect line are selected as sample points. As a general rule, we would like to see five sampling points for each 100 feet of transect line, but sample points should be at least 2 feet apart, so in smaller areas (less than 10 feet), fewer samples may be collected.

3. Samples of the top one-half inch (.5") of soil should be taken using a metal spoon or stainless-steel scoop. Collect soil until a circular hole of approximately 2 inches in diameter (0.5" deep) has been created. Samples from each of the sampling points should be composited into a 24-ounce plastic bag of at least 3 mil in weight. The bags should be either zip-locked or foldable with puncture proof tabs.

4. After each composite sample is collected, the sampling spoon or scoop should be thoroughly cleaned with a disposable wipe to prevent cross contamination of other composite samples to be collected in other areas on the site.

5. The soil samples are dried, weighed out and digested in nitric acid according to EPA Method 3050. Analysis is performed by direct aspiration flame atomic absorption spectrophotometry according to EPA Method 7420. Results are expressed in milligrams per kilogram (mg/kg), or parts-per-million (ppm).

Grid Method:

In other areas, such as play areas and other open spaces, an X shaped axis should be developed with directional reference points of North, South, East and West. At least five, but not more than ten sampling points should be designated along each axis. The sampling points should be equidistant from one another and should be at least one foot distant from each other.

The sampling and compositing procedures outlined in the linear transect method should be followed for each axis.

For all soil sampling, a property sketch should be drawn. It is recommended that you use the space provided on the back of the lead in soil sample log.

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Appendix D

Lead Testing Field Data Sheets

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LEAD INSPECTION COVER SHEET

Inspector's Information

Inspector's Name: Robert Hobbins **License Number:** 2156
XRF Model: LPA – 1B **Serial Number:** 1377
Date of Inspection: April 8, 2014 **Project Number:** 20140277.A3E

Property Information

Building Address: 35 Old Dam Road
(Street)
Fairfield (City) CT (State) Age of Property: N/A

Describe Structure:
Sheetrock ceilings and walls with wood /metal window and door systems and concrete and wood floors
Exterior wood siding and concrete foundation

Are there lead hazards present? ☐ Yes ☒ No
Were lead dust wipes taken? ☐ Yes ☒ No
Were soil samples collected? ☐ Yes ☒ No
Were drinking water samples collected? ☐ Yes ☒ No

Single Family Dwelling ☒

Is there an EBL child present?
☐ Yes ☒ No ☐ Unknown

Is there a child under six years of age in the dwelling?
☐ Yes ☒ No ☐ Unknown

Multiple Family Dwelling ☐

Number of units in building:
Number of units tested:
Is there an EBL child present in the building?
☐ Yes ☐ No ☐ Unknown
If EBL child, which unit(s)?
Is there a child under six years of age in the building?
☐ Yes ☐ No ☐ Unknown
If child under six, which unit(s)?

XRF Calibration Check

Calibration Paint Film Used: ☐ NIST 1.02 mg/cm² ☒ Manufacturer's Standard 1.0 mg/cm²

Calibration Check Limits Used: ☒ RMD (0.7 to 1.3 mg/cm² inclusive)
☐ Scitec MAP4 (0.6 to 1.2 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	900	1.0	0.9	1.0	0.96
Second Check	1100	1.0	1.0	1.1	1.03
Third Check	1300	0.9	1.2	1.0	1.03
Fourth Check					

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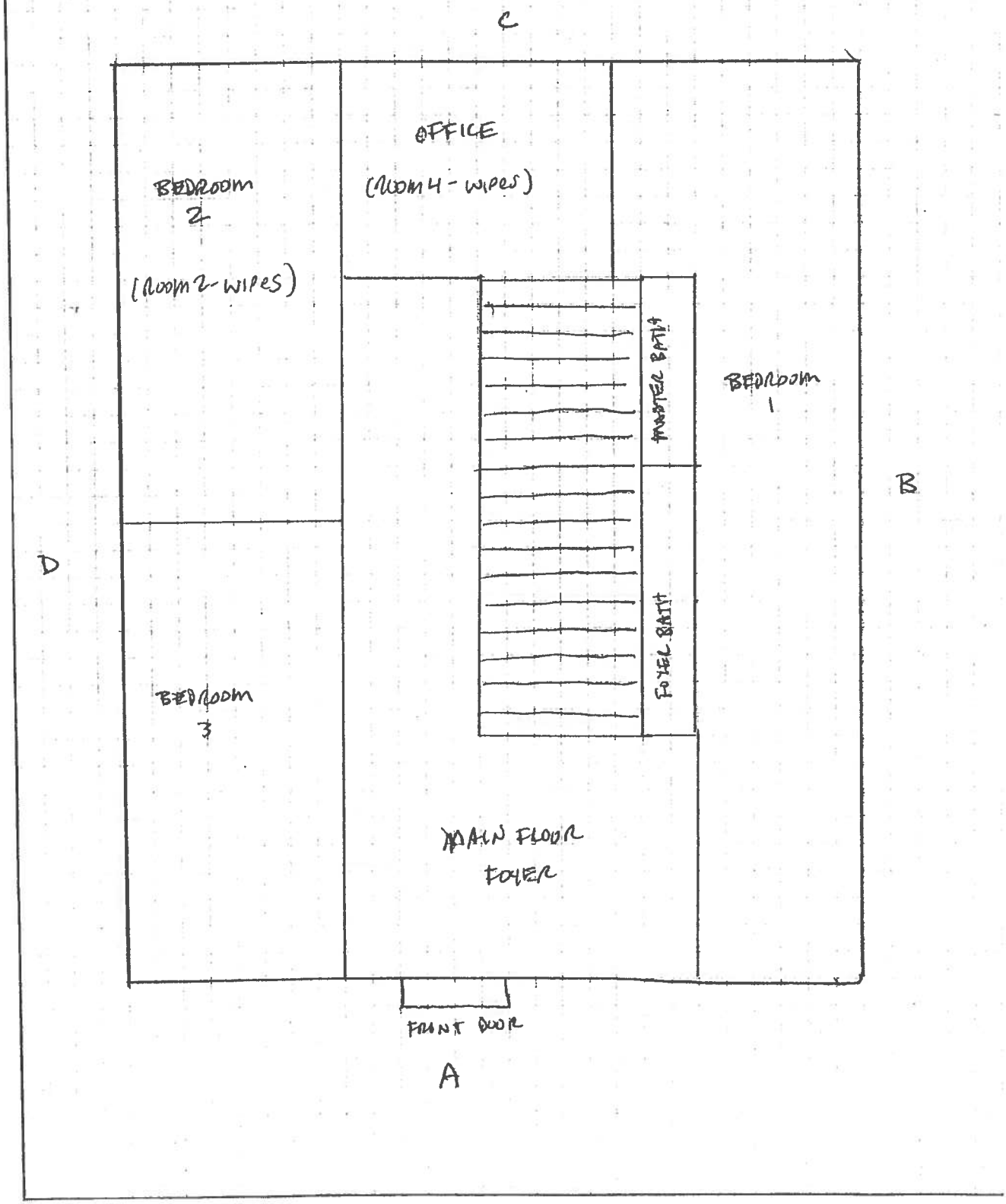
Prepared By	Date	Checked By	Date	Project No

MAIN FLOOR

Sheet No of

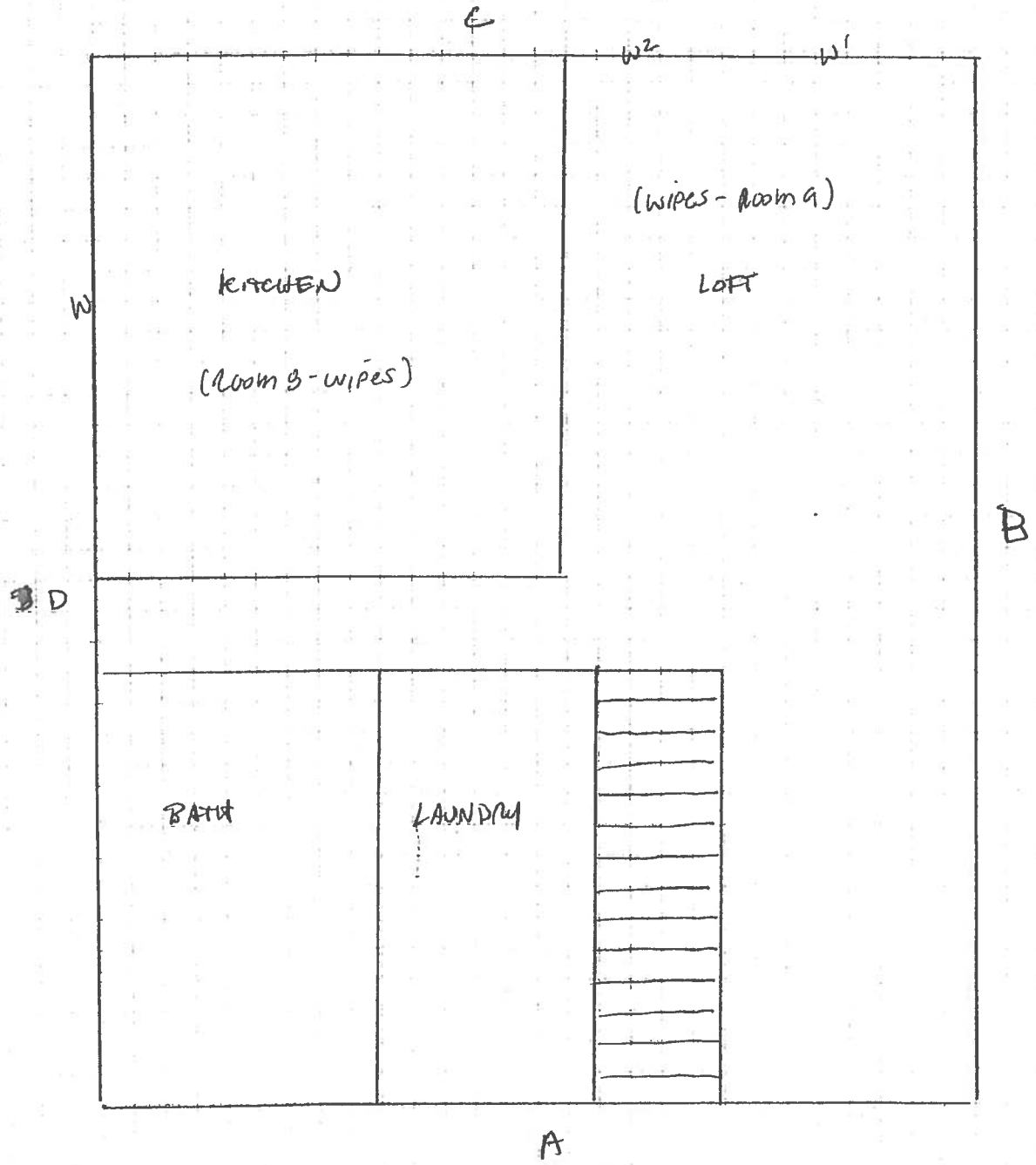


FUSS & O'NEILL

Prepared By	Date	Checked By	Date	Project No

2ND FLOOR LOFT AREA

Sheet No of



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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT **Apt. #:**_____

Floor: 2nd **Room:** CLOSET AT BATH **Page** ____ **of** ____

Project Name: 35 Old Dam Rd. **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	-0.1		SR					
B	Wall	-0.1		↓					
C	Wall	-0.2							
D	Wall	-0.1							
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	-0.2		W					
	Casing	-0.1		W					
	Jamb	0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT **Apt. #:**_____

Floor: Main **Room:** Bedroom 2 closet **Page** ____ **of** ____

Project Name: 35 Old Dam Rd. **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.2		W					
A	Wall	-0.2		SR					
B	Wall	-0.1		↓					
C	Wall	-0.2							
D	Wall	0.1							
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	+0.2		W					
	Casing	-0.1		↓					
	Jamb	-0.1							
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT **Apt. #:** _____

Floor: ~~Bathroom~~ Main **Room:** Bedroom 3 closet **Page** _____ **of** _____

Project Name: 35 Old Dam Rd. **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.1		W					
A	Wall	-0.1		SR					
B	Wall	-0.2		↓					
C	Wall	-0.1		↓					
D	Wall	-0.1		↓					
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	-0.2		W					
	Casing	-0.2		W					
	Jamb	-0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT **Apt. #:**

Floor: main **Room:** Foyer closet **Page** of

Project Name: 35 Old Dam Rd. **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.							
A	Wall	-0.1		SR					
B	Wall	-0.2		↓					
C	Wall	-0.1							
D	Wall	-0.1							
	Chair rail								
	Ceiling	<0.0		SR					
	Crown Molding								
	Door	0.1		W					
	Casing	-0.1		W					
	Jamb	-0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	0.1		W					
	Shelf Supports	-0.1		W					
	Radiator								
	Wall Molding								

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT Apt. #:

Floor: Main Room: OFFICE CLOSET Page of

Project Name: 35 Old Dam Rd. Project Number: 20140277.A3E

Project Manager: K. McCarthy (If Positive - Check All That Apply) * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.1		W					
A	Wall	-0.1		SR					
B	Wall	-0.2		|					
C	Wall	-0.2		|					
D	Wall	-0.1		|					
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	-0.2		W					
	Casing	-0.1		W					
	Jamb	-0.0		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves	-0.1		W					
	Shelf Supports	-0.0		W					
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Rd, Fairfield, CT **Apt. #:** _____

Floor: Main **Room:** Bedroom 1 Closet **Page** _____ **of** _____

Project Name: 35 Old Dam Rd. **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)** * Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B, N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	0.0		W					
A	Wall	-0.1		SR					
B	Wall	-0.1		"					
C	Wall	-0.2		"					
D	Wall	-0.1		"					
	Chair rail								
	Ceiling	-0.2		SR					
	Crown Molding								
	Door	-0.1		W					
	Casing	-0.1		"					
	Jamb	-0.0		"					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf	-0.1		W					
	Shelf Supports	-0.0		W					
	Radiator								
	Wall Molding								

Notes: _____

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: ~~Basement~~ 1ST **Room:** BDR 1 **Page** 1 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.1		W					
A	Wall	-0.0		SR					
B	Wall	-0.0		SR					
C	Wall	0.1		SR					
D	Wall	-0.1		SR					
	Chair rail								
	Ceiling	0.0		SR					
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door	-0.0		W					
	Casing	0.0		W					
	Jamb	-0.0		W					
	Window Trim	-0.1		W					
	Sill	0.2		W					
	Sash	0.1		W					
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.0		M					
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 1ST Flaw **Room:** BATH 1 **Page** 2 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	0.1		W					
A	Wall	-0.0		SR					
B	Wall	-0.0		SR					
C	Wall	0.1		SR					
D	Wall	-0.1		SR					
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	0.0		W					
	Casing	-0.0		W					
	Jamb	-0.0		W					
	Door								
	Casing								
	Jamb								
	Window Trim								
	Sill								
	Sash								
	Well								
	Cabinet Base	0.0		W					
	Door Exterior	-0.0		W					
	Door Interior	-0.1		W					
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes: Wall - -0.0 SR Door -0.0 Ceiling - 0.1 SR

BATH 2 Wall - -0.1 DJ 0.0
Wall - 0.0 DJ -0.0
Wall - -0.0

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 1ST. **Room:** office **Page** 3 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	0.1		W					
A	Wall	-0.0		SR					
B	Wall	0.0		|					
C	Wall	-0.1		|					
D	Wall	0.0		↓					
	Chair rail								
	Ceiling	0.0		SR					
	Crown Molding								
	Door	00		W					
	Casing	0.1		W					
	Jamb	0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim	-0.1		W					
	Sill	0.1		W					
	Sash	-0.0		W					
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator								
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 1ST **Room:** BDR 2 **Page** 4 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.2		W					
A	Wall	0.0		SR					
B	Wall	-0.0		SR					
C	Wall	0.1		SR					
D	Wall	-0.0		SR					
	Chair rail								
	Ceiling	-0.2		SR					
	Crown Molding								
	Door	0.0		W					
	Casing	-0.1		W					
	Jamb	0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim	-0.1		W					
	Sill	-0.0		W					
	Sash	0.1		W					
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	0.7		M					
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040 (860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 1ST **Room:** BDR 3 **Page** 5 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	0.0		W					
A	Wall	-0.1		SR					
B	Wall	-0.0		SR					
C	Wall	0.1		SR					
D	Wall	-0.0		SR					
	Chair rail								
	Ceiling	0.0		SR					
	Crown Molding								
	Door	0.0		W					
	Casing	0.1		W					
	Jamb	0.0		W					
	Door								
	Casing								
	Jamb								
	Window Trim	0.1		W					
	Sill	0.1		W					
	Sash	0.0		W					
	Well	-0.0		W					
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	-0.2		M					
	Wall Molding								

*Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 2nd Floor **Room:** Kitchen **Page** 6 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards								
A	Wall	-0.0		SR					
B	Wall	0.1		SR					
C	Wall	-0.1		SR					
D	Wall	-0.1		SR					
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door								
	Casing								
	Jamb								
	Window Trim	0.0		W					
	Sill	0.1		W					
	Sash	0.1		W					
	Well								
	Cabinet Base	0.1		W					
	Door Exterior	0.2		W					
	Door Interior	0.1		W					
	Walls	0.0		W					
	Shelves	-0.0		W					
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	0.1		M					
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

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XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 2nd **Room:** BATH 3 **Page** 7 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.2		W					
A	Wall	0.1		SR					
B	Wall	-0.1		SR					
C	Wall	-0.1		SR					
D	Wall	-0.0		SR					
	Chair rail								
	Ceiling	0.1		SR					
	Crown Molding								
	Door								
	Casing								
	Jamb								
	Door	0.0		W					
	Casing	0.1		W					
	Jamb	0.2		W					
	Window Trim	0.1		W					
	Sill	0.1		W					
	Sash	-0.0		W					
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	0.2		M					
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

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(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – INTERIOR ROOM

Address: 35 Old Dam Road, Fairfield, CT **Apt. #:**

Floor: 2nd **Room:** LOFT **Page** 8 **of** 15

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Floor								
	Baseboards	-0.1		W					
A	Wall	-0.1		SR					
B	Wall	0.0		SR					
C	Wall	-0.1		SR					
D	Wall	-0.0		SR					
	Chair rail								
	Ceiling	-0.1		SR					
	Crown Molding								
	Door	0.1		W					
	Casing	0.0		W					
	Jamb	-0.1		W					
	Door								
	Casing								
	Jamb								
	Window Trim	0.0		W					
	Sill	0.1		W					
	Sash	NP							
	Well								
	Cabinet Base								
	Door Exterior								
	Door Interior								
	Walls								
	Shelves								
	Shelf Supports								
	Closet Shelf								
	Shelf Supports								
	Radiator	0.1		M					
	Wall Molding								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement

Notes:

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www.fando.com
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(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET – EXTERIOR OF SIDE _____

Address: 35 Old Dam Rd, Fairfield, CT **Page** 9 **of** 13

Project Name: 35 Old Dam Rd, Fairfield, **Project Number:** 20140277.A3E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								Garage - Annex
	Skirt Board								
	Corner Boards								
	Siding	9.9	/	W	N25				interior siding
	Upper Trim								
	Door	0.1		W					
	Casing	0.1		W					
	Jamb	0.2		W					
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash								
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

Ext. Siding 0.1 0.2 W W

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE A

Address: 35 Old Dam Road, Fairfield, CT **Page** 10 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	0.2		W					
	Upper Trim								
	Door	0.1		W					
	Casing	0.0		W					
	Jamb	0.1		W					
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	0.1		W					
	Trim	0.0		W					
	Sash	0.0		W					
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE B

Address: 35 Old Dam Road, Fairfield, CT **Page** 11 **of** 13

Project Name: 35 Old Dam Road **Project Number:** 20140277.A3E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	0.1		W					
	Upper Trim								
	Door	0.0		W					
	Casing	0.0		W					
	Jamb	-0.1		W					
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	0.1		W					
	Trim	-0.1		W					
	Sash	0.0		W					
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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XRF FIELD DATA SHEET – EXTERIOR OF SIDE C

Address: 35 Old Dam Rd, Fairfield, CT **Page** 12 of 13

Project Name: 35 Old Dam Rd, Fairfield, **Project Number:** 20140277.A3E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	0.3		W					
	Upper Trim								
	Door								
	Casing								
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill	0.2		W					
	Trim	0.7		W					
	Sash	1.1	✓	W	NO				
	~~Blind Stop~~ Shutter	0.3		W					
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead	-0.2		M					
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

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XRF FIELD DATA SHEET -- EXTERIOR OF SIDE D

Address: 35 Old Dam Rd, Fairfield, CT **Page** 13 **of** 13

Project Name: 35 Old Dam Rd, Fairfield, **Project Number:** 20140277.A3E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
	Foundation								
	Skirt Board								
	Corner Boards								
	Siding	0.0		W					
	Upper Trim								
	Door								
	Casing	0.2		W					
	Jamb								
	Threshold								
	Kick Board								
	Storm Door								
	Window Sill								
	Trim								
	Sash								
	Blind Stops								
	Storm Window								
	Basement Sash								
	Frame								
	Bulkhead								
	Downspouts								
	Porch Floor								
	Ceiling Joist								
	Lower Trim								
	Lower Railing								
	Balusters								
	Railing Cap								
	Ceiling								
	Lattice								
	Lattice Frame								
	Support Columns								
	Column Base								
	Brackets								
	Hand Rails								
	Treads								
	Risers								
	Stringers								

Appendix E

Lead in Dust Wipe Sample Results and Chain of Custody Form

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

20140 6857

SAMPLE LOG FOR LEAD WIPES

Sheet No. 1 of 1

Project Name: Loftop Assoc.
Building: 35 Old Dam Rd [redacted] ...
Project Number: 2014 ... ASC
Project Manager: K...

	Sample ID Number	Sample Location/Building	Surface Component	each Sq. Ft	Result (ug/ft)	Lab Number
1-	050714UA-03	Room #2	Floor	144		
2-	-04	Room #2 C-Window	W. Sill	36		
3-	-05	Room #4	Floor	144		
4-	-06	Room #4 - Dup	Floor	144		
5-	-07	Room #4 - Window	W. Sill	36		
6-	-08	Room #8 D-Window	W. Sill	36		
7-	-09	Room #8	Floor	144		
8-	-10	Room #9 - D2 Window	W. Sill	36		
9-	-11	Room #9	Floor	144		
10-	-12	Blank	NA	—		
11-	-13	Blank	NA	—		

Analytical Method: EPA-SW-846-3050(MOD.)
Wipe Media ☒ ASTM ☐ Non ASTM

Turnaround Time 24 hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 5/10/14
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Special Instructions: ______________________

Samples Collected By: Ulkus August Date: 5/7/14 Time: 10 00
Samples Recd/Sent By: ______ Date: ______ Time: ______
Samples Received By: [signature] Date: 5/8/14 Time: 10:23am EMSL-NJ

Shipped To: ☒ EMSL (State) NJ ☐ Other ______

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other ______

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (858) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201406857
CustomerID:	ENVI54
CustomerPO:	20140277.A3E
ProjectID:	

Attn: **Fuss & O'Neill EnviroScience, LLC**
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	05/08/14 10:23 AM
Collected:	5/7/2014

Project: **20140277.A3E / Lothop Assoc. / 35 Old Dorm Road Fairfield,CT**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
050714UA-03	0001	5/7/2014	5/9/2014	144 in²	<10 µg/ft²
	Site: Room #2 Floor				
050714UA-04	0002	5/7/2014	5/9/2014	36 in²	<40 µg/ft²
	Site: Room #2 C-Window W.Sil				
050714UA-05	0003	5/7/2014	5/9/2014	144 in²	<10 µg/ft²
	Site: Room #4 Floor				
050714UA-06	0004	5/7/2014	5/9/2014	144 in²	46 µg/ft²
	Site: Room #4 Dup Floor				
050714UA-07	0005	5/7/2014	5/9/2014	36 in²	370 µg/ft²
	Site: Room #4- Window W.Sill				
050714UA-08	0006	5/7/2014	5/9/2014	36 in²	<40 µg/ft²
	Site: Room #8 D- Window W.Sill				
050714UA-09	0007	5/7/2014	5/9/2014	144 in²	<10 µg/ft²
	Site: Room #8 Floor				
050714UA-10	0008	5/7/2014	5/9/2014	36 in²	<40 µg/ft²
	Site: Room #9- D2 Window W.Sill				
050714UA-11	0009	5/7/2014	5/9/2014	144 in²	<10 µg/ft²
	Site: Room #9 Floor				
050714UA-12	0010	5/7/2014	5/9/2014	n/a	<10 µg/wipe
	Site: Blank				
050714UA-13	0011	5/7/2014	5/9/2014	n/a	<10 µg/wipe
	Site: Blank				

Julie Smith - Laboratory Director
NJ-NELAP Accredited:03036
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 05/09/2014 11:18:16

Appendix F

Lead in Soil Sample Results and Chain of Custody Form

FUSS & O'NEILL
EnviroScience, LLC

20140 6826

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

SAMPLE LOG FOR LEAD SOIL

Sheet No. 1 of 1

Project Name: Lofthop Assoc.
Building: 35 Oldham Rd Fairfield, CT

Project Number: 20140277.A3C
Project Manager: KM

	Sample ID Number	Sample Location/Building	Soil Condition	Result (%)	Lab Number
1.	05074UA-14	A-Side @ drip line	Bare		
2.	-15	C-Side @ drip line	"		
3.	-16	D-Side @ drip line	"		

Analysis Method: EPA-SW-846-3050-7420

Turnaround Time 24hrs

_____ Date: _____ Time: _____

_____ Date: _____ Time: _____

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 5/20/14
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Special Instructions: _____

Samples Collected By: [signature] Date: 5/7/14 Time: 1038

Samples Rec'd/Sent By: _____ Date: _____ Time: _____

Samples Received By: [signature] Date: 5/8/14 Time: 10:23am EMSL-FX

Shipped To: ☒ EMSL (State) NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

(SEE REVERSE FOR DIAGRAM)

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201406826
CustomerID:	ENV154
CustomerPO:	20140277.A3E
ProjectID:	

Attn: **Fuss & O'Neill EnviroScience, LLC**
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	05/08/14 10:23 AM
Collected:	5/7/2014

Project: **20140277.A3E / Lothop Assoc. / 35 Old Dom Road Fairfield,CT**

Test Report: Lead in Soils by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
050714UA-14	*0001*	5/7/2014	5/8/2014	740 mg/Kg
	Site: A-Side @ Dripline Desc: Bare			
050714UA-15	*0002*	5/7/2014	5/8/2014	66 mg/Kg
	Site: C-Side @ Dripline Desc: Bare			
050714UA-16	*0003*	5/7/2014	5/8/2014	160 mg/Kg
	Site: D-Side @ Dripline Desc: Bare			

Julie Smith - Laboratory Director
NJ-NELAP Accredited:03036
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 05/08/2014 20:43:34

FUSS & O'NEILL
EnviroScience, LLC

Appendix G

Lead in Drinking Water Sample Results and Chain of Custody Form

CHAIN OF CUSTODY RECORD

Lab Tracking #: 1D514109

Client: Fuss & O'Neill EnviroScience LLC 35 Old Dam Rd Fairfield, CT

Project/PO #: 20140277.A3E

Sampler(s): Ulkens Auguste (signature)
Ulkens Auguste (print)

Quote ID:

Lab Use	Field ID (please print)	Date	Time	# of Bottles	RSR Criteria	Requested Analyses:	Lead in Water									Notes
6218	050714UA-01	5/7/14	1014	1	DW		X									First Draw kitchen
19	↓ -02	↓	1016	1	↓		X									Flush - kitchen

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time	Received By Laboratory: (Signature)	Date / Time
Ulkens Auguste	5/7/14			[signature]	5/7/14 1448
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time		

Turn Around Time

24 HR* ☐ 3 Day* ☑ 5 Day ☐
48 HR* ☐ 4 Day* ☐ 10 Day ☐

*Turnaround times less than "5 Days" may be subject to priority fee charges. CTL will not be held liable for incorrectly filled out Chain of Custody Record. Samples held for 45 days from receipt.

Connecticut Testing Laboratories, Inc.
165 Gracey Ave. / Meriden, CT 06451
Tel. (203)-634-3731 / Fax (203) 630-1336

Date Samples Received: 05/07/14

Client Name : **Fuss & O'Neill EnviroScience**	CTL Lab No. : 0514109
Report Date : 05/09/14	PO/ Job No. : 20140277.A3E

RESULTS OF ANALYSIS

EPA Method 200.9

Matrix Type :	**W**	**W**
CTL Sample No.:	**6218**	**6219**
Field ID :	**1st Draw**	**Flush**
	Kitchen Sink	**Kitchen Sink**
	050714UA-01	**050714UA-02**

Parameters	RL				Date Analyzed
Total Lead-mg/L	0.005	0.129	0.008		05/08/14

RL= Reporting Limit ND= Not Detected

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbon

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

FUSS & O'NEILL
EnviroScience, LLC

Appendix H

Airborne Radon Gas Assessment Results and Chain of Custody Form

FUSS & O'NEILL
EnviroScience, LLC

4/11/14
ENVIII
DE

Radon Testing Summary Sheet

Contact/Phone #: Kevin McCarthy/203-374-3748 x3533
Placed by: B. Hobbins
Project #: 20140277.A3E
Retrieved by: J Blum
Building: 35 Old Dam Road
Start Date: 4-8-14
Address: 35 Old Dam Road
Stop Date: 4-10-14
Fairfield, CT 06824-
Weather at Placement: Rain, 45°

email results to kmccarthy@fando.com ✓

Instructions: Tear off center bar coded label from canister and affix to sheet in spaces provided. Please make sure top bar coded label is left on detector. Identify test location for each detector in space tector (room #, location in ro as necessary. Please detector is missing or damage

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2299423
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2299423
Client
RADON TESTING CORP. OF AMERICA

Start Time: 10:30
Stop Time: 10:30
Identifier: BDR 2

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2313946
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2313946
Client
RADON TESTING CORP. OF AMERICA

Start Time: 10:30
Stop Time: 10:30
Identifier: BDR 2 - D

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2314120
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2314120
Client
RADON TESTING CORP. OF AMERICA

Start Time: 10:32
Stop Time: 10:32
Identifier: OFFICE

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2314000
REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2314000
Client
RADON TESTING CORP. OF AMERICA

Start Time:
Stop Time:
Identifier: OFFICE - B

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

56 Quarry Road, Trumbull, CT 06611
t (203) 374-3748
f (203) 374-4391
www.FandO.com

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 4/11/2014

Ms. Karron Redfield
Fuss & O'Neill Enviroscience, LLC
146 Hartford Road
Manchester, CT 06040-

Client: Project #: 20140277.A3E
Test Location 35 Old Dam Road
Fairfield, CT 06824-

Individual Canister Results

Canister ID# : 2299423
Canister Type : Charcoal Canister 3 inch
Location : Bdrm 2
Radon Level : **0.5 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/08/2014 @ 10:30
Test Stop : 04/10/2014 @ 10:30
Received: 04/11/2014 @ 10:39
Analyzed: 04/11/2014 @ 14:51

Canister ID# : 2313946
Canister Type : Charcoal Canister 3 inch
Location : Bdrm 2 - D
Radon Level : **0.4 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/08/2014 @ 10:30
Test Stop : 04/10/2014 @ 10:30
Received: 04/11/2014 @ 10:39
Analyzed: 04/11/2014 @ 14:51

Canister ID# : 2314000
Canister Type : Charcoal Canister 3 inch
Location : Office - B
Radon Level : **0.4 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/08/2014 @ 10:32
Test Stop : 04/10/2014 @ 10:32
Received: 04/11/2014 @ 10:39
Analyzed: 04/11/2014 @ 14:51

Canister ID# : 2314120
Canister Type : Charcoal Canister 3 inch
Location : Office
Radon Level : **0.2 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/08/2014 @ 10:32
Test Stop : 04/10/2014 @ 10:32
Received: 04/11/2014 @ 10:39
Analyzed: 04/11/2014 @ 14:51

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

RTCA RADON TESTING CORPORATION OF AMERICA

Site Radon Inspection Report

Date : 4/11/2014

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/ditguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free1-800-458-1158.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
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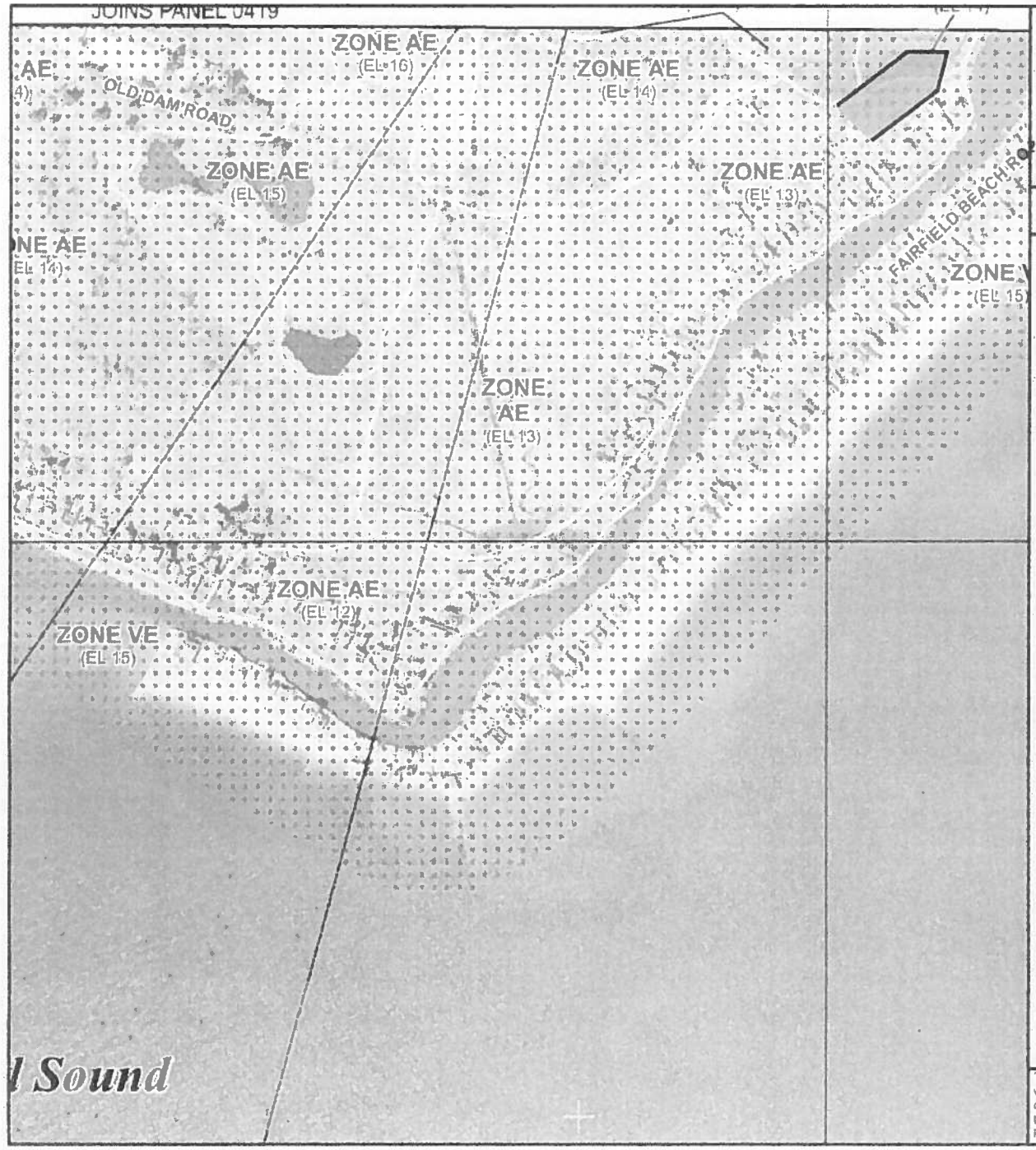
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com



MAP SCALE 1" = 500'

250 0 500 1000 FEET

PANEL 0557G

FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 557 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FAIRFIELD, TOWN OF	090007	0557	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09001C0557G

MAP REVISED
JULY 8, 2013

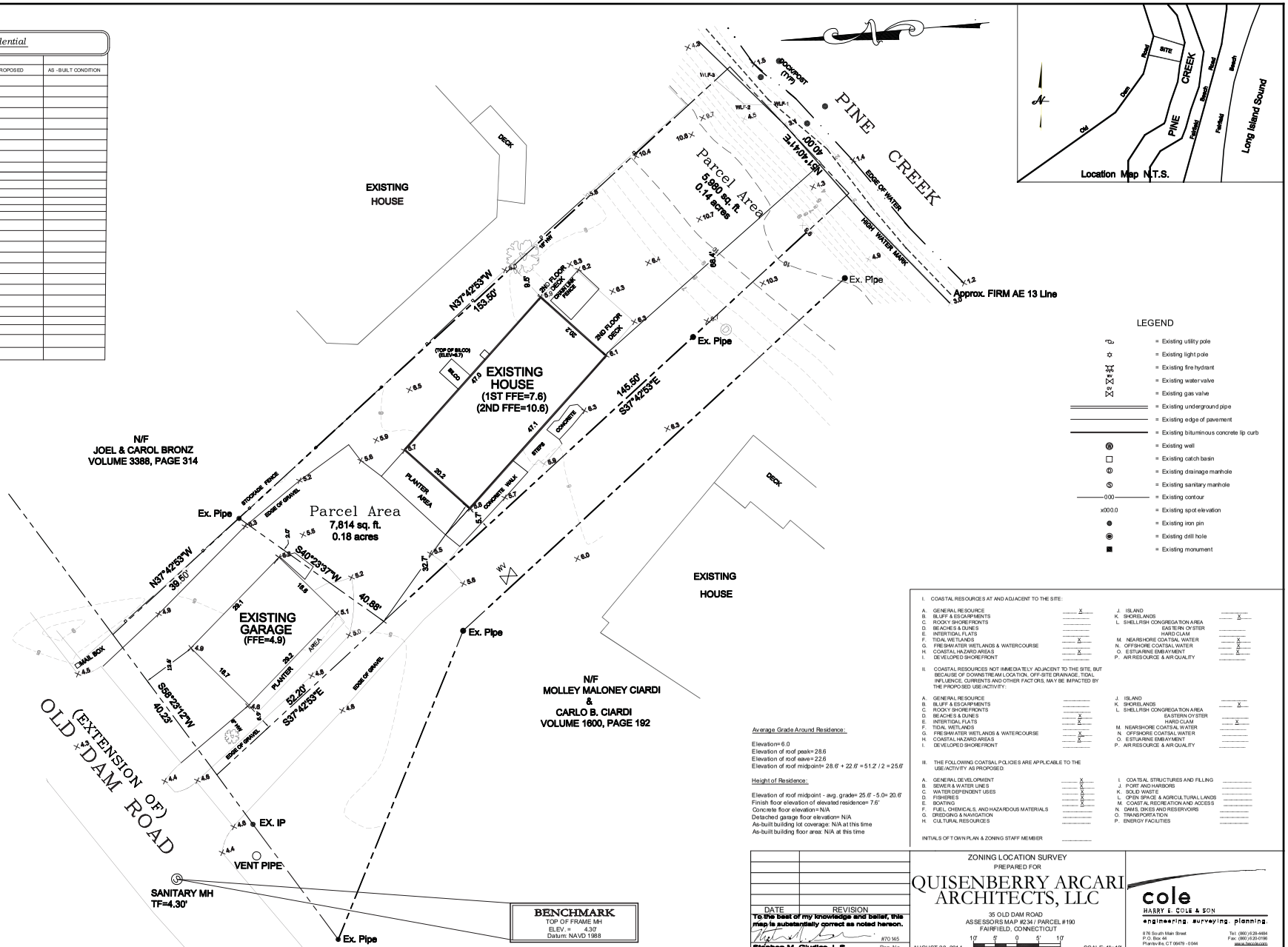
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

ZONING DATA

Zoning Information -- Zone "A" Residential

STATUS				
ITEM	REQUIRED	EXISTING CONDITION	PROPOSED	AS - BUILT CONDITION
MINIMUM LOT AREA	9,375 S.F.	5,980 S.F.		
MIN. SQUARE ON LOT	75'	40'		
MINIMUM LOT FRONTAGE	20'	40.88'		
DENSITY - MIN. LOT AREA PER DWELLING UNIT				
ONE FAMILY	9,375 S.F.	5,980 S.F.		
TWO FAMILY				
THREE FAMILY				
FOUR FAMILY				
EACH ADDITIONAL UNIT				
MINIMUM SETBACKS:				
FROM STREET LINE		32.7'		
ONE SIDE PROPERTY LINE	5'	5.7'		
(MORE THAN ONE STORY)	20'			
ONE SIDE PROPERTY LINE	30'			
REAR PROPERTY LINE	30'	56.2'		
ONE STREET LINE ON COR. (ONE STORY)	17'			
(MORE THAN ONE STORY)	22'			
MINIMUM FLOOR AREA:	N/A			
ONE STORY BUILDING	750 S.F.			
SPLIT LEVEL BUILDING	1,000 S.F.			
TWO OR MORE STORY BLDG TOTAL FLOOR AREA	1,000 S.F.	1,900 S.F.		
GROUND FLOOR AREA	N/A	950 S.F.		
FLOOR AREA PER APARTMENT	500 S.F.			
MAX. HEIGHT FOR BUILDING	32'	32'		
MAX. NO. STORIES FOR BUILDING	2-1/2	2		
MAX. BLDG LOT COVERAGE (% OF LOT AREA)	20%	20.4%		
MAX. BLDG FLOOR AREA (% OF LOT AREA)	40%			
MINIMUM FIRST FLOOR ELEVATION	FIRM BFE= 13'	FFE= 7.6'		



LEGEND

- = Existing utility pole
- = Existing light pole
- = Existing fire hydrant
- = Existing water valve
- = Existing gas valve
- = Existing underground pipe
- = Existing edge of pavement
- = Existing bituminous concrete lip curb
- = Existing well
- = Existing catch basin
- = Existing drainage manhole
- = Existing sanitary manhole
- 000 = Existing contour
- x000.0 = Existing spot elevation
- = Existing iron pin
- = Existing drill hole
- = Existing monument

SURVEY NOTES:

1. This map has been prepared pursuant to the Regulation of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.

2. Type of survey performed: Zoning Location Survey

3. Boundary determination category: Dependent Resurvey

4. Class of accuracy:
   Horizontal: A-2
   Vertical: T-2

5. The intent of this map is to depict the position horizontally and where required vertically, between particular existing or proposed improvements with respect to the applicable municipal or statutory requirements.

6. Map Reference/s:

   a) "Map for James J. Scully, Fairfield, Conn.", Prepared by Andrew S. Pennington, Scale: 1"=50', Dated: April 9, 1937.

   b) "Map of Fairfield Lawn in Fairfield-Conn.", For Robert L. Lowe, 409 Warner Bldg. 83 Fairfield Ave., Bridgeport , CT", Prepared by W.C. Morehouse, Scale: 1"=30', Dated: June 8, 1917.

7. Per agreement with property owner no boundary corners were set by this survey unless noted hereon. All monumentation found is depicted or noted hereon.

8. Zone: BD (Beach District, Residence)

9. Total area: 7,814 S.F. / 0.18 Ac.

10. Owner: Gabriel M. & Gad J. Selig

11. Town of Fairfield Assessors Map #264 / Lot #190

12. Filed in Volume 1799, Page 213 of the Town Clerk's office.

13. Contours are established from field topography.

14. Vertical Datum is NAVD 1988 and based on the CGS Mon.LX 0935.

15. The subject property is in the Coastal Area Management (CAM) and has Tidal Wetlands within the boundaries as shown.

16. The subject property is situated in Zone "AE", (Elevation 13.0') which is a "Special Flood Hazard Area" subject to inundation by 1% annual-chance flood event determined by FEMA. The 500 Year Flood Event elevation is 16.23'. (See Firm Map 09007 Panel 557 G)

17. This survey does not include the location of any underground improvements or encroachments, subsurface utility lines or buried debris. Nor does it necessarily reflect the existence of any waste dumps or hazardous materials. The underground items depicted or noted are approximate and are not guaranteed. Notify "CALL BEFORE YOU DIG" 1-800-922-4455 prior to any excavation operations.

BENCHMARK
TOP OF FRAME MH
ELEV. = 4.30'
Datum: NAVD 1988

Average Grade Around Residence:

Elevation= 6.0
Elevation of roof peak= 28.6
Elevation of roof eave= 22.6
Elevation of roof midpoint= 28.6' + 22.6' = 51.2' / 2 = 25.6'

Height of Residence:

Elevation of roof midpoint - avg. grade= 25.6' - 5.0= 20.6'
Finish floor elevation of elevated residence= 7.6'
Concrete floor elevation= N/A
Detached garage floor elevation= N/A
As-built building lot coverage: N/A at this time
As-built building floor area: N/A at this time

I. COASTAL RESOURCES AT AND ADJACENT TO THE SITE:

A. GENERAL RESOURCE	X	J. ISLAND	
B. BLUFF & ESCARPMENTS		K. SHORELANDS	X
C. ROCKY SHOREFRONTS		L. SHELLFISH CONGREGATION AREA	
D. BEACHES & DUNES		EASTERN OYSTER	
E. INTERTIDAL FLATS		HARD CLAM	
F. TIDAL WETLANDS	X	M. NEARSHORE COASTAL WATER	X
G. FRESHWATER WETLANDS & WATERCOURSE		N. OFFSHORE COASTAL WATER	X
H. COASTAL HAZARD AREAS	X	O. ESTUARINE EMBAYMENT	X
I. DEVELOPED SHOREFRONT		P. AIR RESOURCE & AIR QUALITY	

II. COASTAL RESOURCES NOT IMMEDIATELY ADJACENT TO THE SITE, BUT BECAUSE OF DOWNSTREAM LOCATION, OFF-SITE DRAINAGE, TIDAL INFLUENCE, CURRENTS AND OTHER FACTORS, MAY BE IMPACTED BY THE PROPOSED USE/ACTIVITY:

A. GENERAL RESOURCE		J. ISLAND	
B. BLUFF & ESCARPMENTS		K. SHORELANDS	X
C. ROCKY SHOREFRONTS		L. SHELLFISH CONGREGATION AREA	
D. BEACHES & DUNES		EASTERN OYSTER	
E. INTERTIDAL FLATS	X	HARD CLAM	X
F. TIDAL WETLANDS		M. NEARSHORE COASTAL WATER	
G. FRESHWATER WETLANDS & WATERCOURSE	X	N. OFFSHORE COASTAL WATER	
H. COASTAL HAZARD AREAS	X	O. ESTUARINE EMBAYMENT	
I. DEVELOPED SHOREFRONT		P. AIR RESOURCE & AIR QUALITY	

III. THE FOLLOWING COASTAL POLICIES ARE APPLICABLE TO THE USE/ACTIVITY AS PROPOSED:

A. GENERAL DEVELOPMENT	X	I. COASTAL STRUCTURES AND FILLING	
B. SEWER & WATER LINES	X	J. PORT AND HARBORS	
C. WATER DEPENDENT USES	X	K. SOLID WASTE	
D. FISHERIES	X	L. OPEN SPACE & AGRICULTURAL LANDS	
E. BOATING	X	M. COASTAL RECREATION AND ACCESS	
F. FUEL, CHEMICALS, AND HAZARDOUS MATERIALS		N. DAMS, DIKES AND RESERVOIRS	
G. DREDGING & NAVIGATION		O. TRANSPORTATION	
H. CULTURAL RESOURCES		P. ENERGY FACILITIES	

INITIALS OF TOWN PLAN & ZONING STAFF MEMBER

DATE	REVISION

To the best of my knowledge and belief, this map is substantially correct as noted hereon.

#70145
Reg. No.
Stephen M. Gladica, L.S.
NOT VALID UNLESS EMBOSSED SEAL IS AFFIXED HERETO

ZONING LOCATION SURVEY
PREPARED FOR
QUISENBERRY ARCARI ARCHITECTS, LLC
35 OLD DAM ROAD
ASSESSORS MAP #234 / PARCEL #190
FAIRFIELD, CONNECTICUT

AUGUST 28, 2014 — SCALE: 1"=10'

PROJECT #: 1197 | F.B. #: 477 | PAGE #: 0

cole
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Fax: (860) 620-0196
www.harrycole.com